Letter of Authorization

Hardware Maintenance Visit – Supported by Target Tech Rollout & Deployment Bundle

This letter authorizes technicians to complete the following 2021 Target Tech Rollout & Deployment Bundle Cycle 2 project at stores (exact project assignments vary by store):

Project Name	Description
AP Analog Camera Refresh	Replaces select analog cameras in store. Often requires overnight support
Bizerba Scale Refresh	Replacing the Mettler scale with a Bizerba scale
Bro/NSM Sensor Refresh	Replacing small Bro/NSM server in control room
Stores Mood Music Replacement	Replacing current Mood Music device with new Imagesound device
Filler Plate Refresh	Replacing plates on SCOs scanner unit

Bundle Installation Technicians are managed by Bailiwick, CrossCom, Compucom, Federated, Pivot, or Telaid.

Date of Visits: June 13 – August 6

Locate Equipment: Shipments are to be placed in the control room unless otherwise noted.

Bundle shipments will have a neon green label: 2021 Infrastructure Bundle. Shipments may also be found in:

- Electronics cage
- Receiving and Bulk Stockroom
- AP Office – ask store AP team to complete this search
- PML Office/Cage
- Guest Services
- HR Office

Tech requires access to the following:

- Control room and IDFs (tech will be issued his/her own PIN)
- Entrances/exits
- Cameras in receiving, sales floor, fire aisle, team member entrance, cash office, control room, and AP holding room
- Offstage locations with Mettler scale(s)

Support or Questions

- Reference the content from TargetStore.Communications@target.com included at the end of this document.
- Post questions to Yammer group: TTS Infrastructure Bundle
- Email:TTS-DeploymentSupport@Target.com

Question about a TTS project store tech visit? Ask Mary

R&D's bot specializes in scheduling and basic project information. With your feedback - she'll keep learning and evolving.

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Target Tech Store Communication – Cycle 2, 2021

Subject: AP Digital Camera Installation

Send Date: June 7
Store Count: TBD
Subject: **AP Digital Camera Installation**
Attachments: store list or install schedule

Stores: Select (see attached)
myDay recipients: ETLs, TLs and TMs in S&E, AP, HR and Closing
Email recipients: DSDs, APDs, APBPs, SDs, PMLs and select HQ partners

Beginning the week of June 27 – July 30, a third party vendor (Bailiwick, Crosscom, Pivot, or Federated) will replace select analog cameras with new digital cameras for critical areas and may replace select monitors.

- Scope varies by store but may include AP camera room, AP booking room, AP holding room, cash office, cash office vestibule, fire aisle, control room, entrance and exit vestibule cameras and trucker door.
- Camera and monitor placement is based on store prototype and moves cannot be requested.

INSTALLATION DETAILS

Week before Install
Equipment arrives; hold in the locked AP office for vendor.

Night of Install

- Vendor will check in at the Guest Service Desk and ask for the AP team or a store leader.
- Vendor will need access to the locations listed above as well as the control room for MDF access or select IDF locations.
- Vendor will have a temporary PIN to access the control room.

SCHEDULING

ETL-AP
Each camera replacement is expected to take three hours. Depending on camera shots, work may be performed outside store hours.

- A key carrier may need to be scheduled overnight; reference store-specific details. Install vendor will call your store to confirm overnight staffing and overnight key carrier.

PAYROLL

Stores will only receive payroll if overnight work is required to complete the project; charge out payroll using the information below.

- **1-9 cameras**: Up to 10 hours
- **10 or more cameras**: Up to 15 hours

Project Code

- Location: TXXXX
- Work Center: 006520
- Expense Center: 2339
- Project Code: 450-00518

QUESTIONS

- Reference AP Equipment and Technology for additional details.
- Use the TTS Infrastructure (Hardware) Bundle Yammer Group for same-day responses to questions or ask the Building & Equipment Chatbot for store-specific schedule and details.

Target Tech Store Communication – Cycle 2, 2021

Subject: Mettler Scale Replacements

Send Date: June 1
Store Count: TBD
Subject/Title: Mettler Scale Replacements
Attachments: Store List

Stores: Select (see attached)
myDay recipients: ETLs, TLs, and TMs Food & Beverage, Food Service, Inbound Operations
Email recipients: Sr. FBDs, FBDs, FBCs, SDs and select HQ partners

Beginning the week of June 13 – July 30, a third party technician will visit your store to replace your stand-alone Mettler scales with a new model (Bizerba).

- Bizerba scales will use the same PLU codes as Mettler.
- This will be a one-for-one replacement, additional scales will not be added to the store.
- **SuperTarget stores only**: Produce scales will be removed completely and not refreshed.

INSTALLATION SCHEDULE

Week of June 13: Third party technician will replace and install new scales; see store-specific schedule.

- **Two Days Before Installation:** Replacement hardware and labels will arrive labeled "ATTN: Secure Control Room;" do not unbox the equipment.
  - PFresh stores: receive one box of labels.
  - SuperTarget stores: receive three boxes of labels.
- Technicians may arrive two hours before store open or during store hours and check in at Guest Services.
- Replacement includes calibrating the Bizerba scales for accuracy; if any Bizerba scale does not work as expected, the Mettler scale will be left in service.

SCALE TYPES/LOCATIONS

Two different types of scales will be installed:

- Guest facing: Scale has a screen in the back for the guest to view price and pounds of the item being weighed.
- Non-guest facing: The scale does not have screen on the back for guest view.

PFresh/Small Format Stores

- Non-guest facing scales only. Located in your ambient room

Super Target Stores

- Guest facing: two near the slices on the Deli counter.
- Non-guest facing: two in Bakery, one in Meat and one in Deli near prep tables

STORE SUPPORT

One Week Before Installation: Verify that the current Mettler scale network cable is plugged in and working. If the scale is not working call the CSC to get it fixed. If the network jack is not working, call the CSC to get the jack and cabling fixed before tech arrival to ensure a successful install.

Days Before Installation: Review the Bizerba scales process page.

Day of Installation: Allow technicians access the area where your Mettler scale is located and potential other locations to troubleshoot issues during the installation.

- Clear countertop space of all store supplies around the scales to support the technician working.
- **Deli:** No open food/containers left out within 3 feet of the scale being installed.
- **Bakery:** No open food/containers left out within 3 feet of the scale being installed.

After Scale Installation

- Clean and disinfectant each scale and countertop area prior to using.
- Mettler scales will be wiped by the technician, then boxed and placed on the CRC pallet. Assist technician in placing box on CRC pallet.
- Share the step-by-step instructions for using the Bizerba scales with all F&B Experts.

Label Paper

The new Bizerba scale uses different label paper; order new label paper on Go Cart:

- BZ603 Linerless Thermo (70mmx80M) Continuous labels - 30/Case.
- Once the Mettler scales have been fully replaced, dispose of all Mettler scale label paper.
- If you have a nearby store that is not transitioning and could use the Mettler label paper, partner with your FBD.

QUESTIONS

- Use the TTS Infrastructure (Hardware) Bundle Yammer Group for same-day responses to questions or ask the Building & Equipment Chatbot for store-specific schedule and details.
- Contact the CSC with any Bizerba scale issues.

HQ recipients: Kevin.Kienbaum; Melissa.Schmidt; Alyssa.Girard; Brandon.Knight; Craig.Tattersall; TargetStore.Communications; Target.Archives; SO-TS-StoreInsightsTIMgr; Rick.Gomez; Amy.Probst; Megan.Dillinger; Aaron.Schmucker; Mindy.Brinkman; Michael.Grayson; TTS-IncidentRestoration; TTS-GRE-RegionalStoreAdvocates; Barbara.Kosloski; Madelyn.May; Teagan.Hynes; TTS-HardwareImpSvcs-Bundle@Target.com
MH

Target Tech Store Communication – Cycle 2, 2021

Subject: Control Room NSM Sensor Replacement

Send Date: May 24 for pilot stores; June 7 for non-pilot stores
Store Count: TBD
Subject: Control Room NSM Sensor Replacement
Attachments: NA

Stores: Select (see attached)
myDay recipients: ETLs, TLs and TMs in S&E, HR, AP and Closing
Email recipients: DSDs, PMDs, PMBPs, APDs, APBPs, SDs, PMLs and select HQ partners

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Beginning the week of June 13 – July 30, a third party vendor (Bailiwick, CrossCom, Federated, Pivot, CompuCom or Telaid) will remove and replace a small server in your control room with a new Dell Bro server. Vendor will complete work before store opens or after store close; reference store-specific schedule for details. The vendor is approved to be secured in the building; no key carrier is required. Vendor will:

- Call your store to confirm and finalize schedule with the PML or a store leader.
- Have a temporary PIN and is approved to access the control room.
- Install all new hardware and complete validation.
- Remove old hardware and prep shipment for return using pre-made return label.

QUESTIONS

Use the TTS Infrastructure (Hardware) Bundle Yammer Group for same-day responses to questions or ask the Building & Equipment Chatbot for store-specific schedule and details.

HQ
recipients: *Kevin.Kienbaum; Oscar.Arango; Jamaal.Edwards; Melissa.Schmidt; Alyssa.Girard; Brandon.Knight; Craig.Tattersall; TargetStore.Communications; Target.Archives; SO-TS-StoreInsightsTlMgr; Allison.Gunther; Asha.Baskaran; Amanda.Benedict; Margaret.Mies; Randy.Berg; Brian.Dwyer; Ben.Milston; Tiffany.Eckberg; Allie.Loveland; Patrick.Mitambo; TTS-DeploymentSupport; Mimi.Hockert;*
MH

Target Tech Store Communication – Cycle 2, 2021

Subject: Mood Music Player Replacement

Send Date: May 24 for pilot stores; June 7 for non-pilot stores
Store Count: TBD
Subject: Mood Music Player Replacement
Attachments: NA

Stores: Select (see attached)
myDay recipients: ETLs, TLs and TMs in S&E, HR, AP and Closing
Email recipients: DSDs, APDs, APBPs, PMDs, PMBPs, SDs, PMLs and select HQ partners

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Beginning the week of June 13 – July 30, a third party vendor (Bailiwick, CrossCom, Federated, Pivot, CompuCom or Telaid) will remove the Mood Music player in the control room and replace with an ImageSound media player. Vendor will complete work before store opens or after store closes; reference store-specific schedule for details. The vendor is approved to be secured in the building; no key carrier is required. Vendor will:

- Call your store to confirm and finalize schedule with the PML or a store leader.
- Have a temporary PIN and is approved to access the control room.
- Install all new hardware and complete validation.
- Remove old hardware and place on CRC pallet.
- Partner with store team to walk the sales floor to confirm music is playing in applicable areas.

QUESTIONS

Use the TTS Infrastructure (Hardware) Bundle Yammer Group for same-day responses to questions or ask the Building & Equipment Chatbot for store-specific schedule and details.

HQ recipients: *Kevin.Kienbaum; Oscar.Arango; Jamaal.Edwards; .Melissa.Schmidt; Alyssa.Girard; Brandon.Knight; Craig.Tattersall; TargetStore.Communications; Target.Archives; SO-TS-StoreInsightsTlMgr; Allison.Gunther; Asha.Baskaran; Amanda.Benedict; Margaret.Mies; Randy.Berg; Brian.Dwyer; Ben.Milston; Tiffany.Eckberg; Allie.Loveland; Patrick.Mitambo; TTS-DeploymentSupport; Mimi.Hockert; MH*

Entrance - Mall 1 {AP 203}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-8	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR	1
INT-L6080-CEILING-TILE-8	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	DX/DXL - 216	DX/DXL 216-PC	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1
Exit - Mall 1 {AP 427}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Part Name**	**QTY**
INT-3915-WALL	01074-001	947129	Axis P3915-R Mk II	1
INT-3915-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-3915-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
Exterior - Team Member Entrance Camera {AP 304}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
EXT-VL6080-ARMOR	XNV-L6080	TGT-971950	XNV-L6080 2MP OUTDOOR DOME X SERIES LITE Hanwha XNV-L6080	1
EXT-VL6080-ARMOR	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
EXT-VL6080-ARMOR	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
Team Member Entrance AVM {AP 305}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-AVM-WALL	APVM24-0-3001-B	APVM24-0-3001-B	24" LCD Monitor Black with Switch and Encoder	1
INT-AVM-WALL	MMB0303	MMB0303	Black Wall Mount Kit for AVM/PVM	1
INT-AVM-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-AVM-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable	1
EQ-AVM-PVM-POWER-SUPPLY(3)	CE-S320-W	TGT-MAC-CE-S320-W	AVM/PVM Power Supply 24V 329 W DC for use with 1-3 Wren Monitors	1
Exterior - Truckers Door Camera {AP 300}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
EXT-VL6080-ARMOR	XNV-L6080	TGT-971950	XNV-L6080 2MP OUTDOOR DOME X SERIES LITE Hanwha XNV-L6080	1
EXT-VL6080-ARMOR	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
EXT-VL6080-ARMOR	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
Truckers Door AVM {AP 301}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-AVM-WALL	APVM24-0-3001-B	APVM24-0-3001-B	24" LCD Monitor Black with Switch and Encoder	1
INT-AVM-WALL	MMB0303	MMB0303	Black Wall Mount Kit for AVM/PVM	1
INT-AVM-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-AVM-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable	1
EQ-AVM-PVM-POWER-SUPPLY(3)	CE-S320-W	TGT-MAC-CE-S320-W	AVM/PVM Power Supply 24V 329 W DC for use with 1-3 Wren Monitors	1

AP - Booking Room Camera {AP 403}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-8	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR	1
INT-L6080-CEILING-TILE-8	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	DX/DXL - 216	DX/DXL 216-PC	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1
AP - Booking Room Camera {AP 234}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-8	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR	1
INT-L6080-CEILING-TILE-8	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	DX/DXL - 216	DX/DXL 216-PC	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1
AP - Camera Room Camera {AP 549}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-8	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR	1
INT-L6080-CEILING-TILE-8	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	DX/DXL - 216	EQ-TBARS	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1
AP - Holding Room Camera {AP 446}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-ARMOR-WHITE	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with dome)	1
INT-L6080-ARMOR-WHITE	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-ARMOR-WHITE	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-ARMOR-WHITE	MGDS2U-BWHTF1S	MGDS2U-BWHTF1S	4" MiniGlobe Detention Surface Mount White Housing with Bronze Tinted Dome for HTA SND-6084 (surface mount)	1
AP - Holding Room AVM {AP 447}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-AVM-WALL	APVM24-0-3001-B	APVM24-0-3001-B	24" LCD Monitor Black with Switch and Encoder	1
INT-AVM-WALL	MMB0303	MMB0303	Black Wall Mount Kit for AVM/PVM	1
INT-AVM-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-AVM-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable	1
EQ-AVM-PVM-POWER-SUPPLY(3)	CE-S320-W	TGT-MAC-CE-S320-W	AVM/PVM Power Supply 24V 329 W DC for use with 1-3 Wren Monitors	1

Cash Office - Room Camera {AP 400}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-8	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR	1
INT-L6080-CEILING-TILE-8	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	DX/DXL - 216	EQ-TBARS	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1
Cash Office - Vestibule Camera {AP 302}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-ARMOR-WHITE	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with dome)	1
INT-L6080-ARMOR-WHITE	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-ARMOR-WHITE	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-ARMOR-WHITE	MGDS2U-BWHTF1S	MGDS2U-BWHTF1S	4" MiniGlobe Detention Surface Mount White Housing with Bronze Tinted Dome for HTA SND-6084 (surface mount)	1
Cash Office - Vestibule AVM {AP 303}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-AVM-WALL	APVM24-0-3001-B	APVM24-0-3001-B	24" LCD Monitor Black with Switch and Encoder	1
INT-AVM-WALL	MMB0303	MMB0303	Black Wall Mount Kit for AVM/PVM	1
INT-AVM-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-AVM-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable	1
EQ-AVM-PVM-POWER-SUPPLY(3)	CE-S320-W	TGT-MAC-CE-S320-W	AVM/PVM Power Supply 24V 329 W DC for use with 1-3 Wren Monitors	1
Cash Office - Camera Ready Dome {AP 550}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-READY-8	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-READY-8	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-READY-8	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	DX/DXL - 216	DX/DXL 216-PC	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1
Stockroom - Fire Aisle {AP 681}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-WALL	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with dome)	1
INT-L6080-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-WALL	MGDS2U-BBHTF1S	MGDS2U-BBHTF1S	4" MiniGlobe Detention Surface Mount Black Housing with Bronze Tinted Dome for HTA SND-6084 (surface mount)	1

Stockroom - Fire Aisle {AP 682}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-WALL	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with dome)	1
INT-L6080-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-WALL	MGDS2U-BBHTF1S	MGDS2U-BBHTF1S	4" MiniGlobe Detention Surface Mount Black Housing with Bronze Tinted Dome for HTA SND-6084 (surface mount)	1
Stockroom - Fire Aisle {AP 683}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-WALL	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with dome)	1
INT-L6080-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-WALL	MGDS2U-BBHTF1S	MGDS2U-BBHTF1S	4" MiniGlobe Detention Surface Mount Black Housing with Bronze Tinted Dome for HTA SND-6084 (surface mount)	1
Stockroom - Fire Aisle {AP 684}				
Kit Name/Assembly Type	**Make/Model**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-WALL	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with dome)	1
INT-L6080-WALL	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-WALL	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-WALL	MGDS2U-BBHTF1S	MGDS2U-BBHTF1S	4" MiniGlobe Detention Surface Mount Black Housing with Bronze Tinted Dome for HTA SND-6084 (surface mount)	1

Control Room					
Kit Name/Assembly Type	**Manufacturer**	**Make/Model (Bailiwick)**	**Supplier Part Number**	**Description**	**QTY**
INT-L6080-CEILING-TILE-8	ANIXTER INC - 44574	XND-L6080	TGT-000010	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR	1
INT-L6080-CEILING-TILE-8	Graybar	6AS10-20E	6AS10-20E	20' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	Graybar	6AS10-5E	6AS10-5E	5' Black Patch Cable TVS	1
INT-L6080-CEILING-TILE-8	WREN ASSOCIATES LTD - 114232	CR8-L-T2	CR8-L-T2	8" Suspended Ceiling Recessed Bronze Tinted Dome Live with 12" dust cover for Axis P3344/P3353 and HTA SND-6084	1
EQ-TBARS	Golden Valley	DX/DXL - 216	DX/DXL 216-PC	USG CG5250 DONN DX/DXL 216-PC 2' cross tees WHITE (1 piece)	1

CDR6-BWFX4DSS → Gypsum mount for hard ceilings

XNDDome → dome for the XND-L6080, to be leveraged if we need to install XND without a gypsum mount

Installation Document

Interior 24" Access View Monitor

Target Technology Services

Last updated: **June 2, 2020**

Installation Document

Overview

Target is executing Small Format Stores, Full Remodels, and Multi-Location Special Projects across the nation. This will take the unwavering commitment and proactive collaboration of the entire team. Challenges will be encountered, but please utilize this document as a guide to resolve these challenges and achieve success in every implementation.

This document provides a broad range of information around Target Interior 24" Access View Monitor installation. If further clarification is needed, please reach out to the appropriate Rollout and Deployment resource from the *Contacts* information.

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PURPOSE

This document describes the following for Interior 24" Access View Monitor:

- Device information
- Installation instructions
- Support resources
- Deinstallation and removal

DEVICE OVERVIEW

OWNER

Karthik Raju

PLATFORM AND DEVICE DESCRIPTION

Platform: Asset Protection

Product Category: Cameras

MANUFACTURER

Manufacturer Name: Wren Solutions

Target's Universal Part Number: APVM24-0-3001-B

Link to Target UPN List: (Not a user field, forthcoming)

VENDOR

Wren Solutions

NETWORK

VLAN 6

ADDITIONAL INFORMATION

DEVICE IMAGES

APVM24-0-3001-B		
Housing	Color	Black
LCD Monitor	Screen Size	23.8 Inch (Diagonal)
	Max. Resolution	1920 (W) x 1080 (H)
	Brightness	250cd/m2
	Contrast Ratio	1000:1
	Aspect Ratio	16:9
	Viewing Angle (H/V)	178° / 178°
	Response time	5ms
Video Connections	Video In / Out (BNC Type)	1 IN / 1 OUT (Loopout)
	DVI	HDMI up to 1920 x 1080
Power	Consumption	35W (Max)
	Electrical Ratings	24V DC
Dimension	Outer Dimension (W x H x D)	13.7"(H) x 22.7"(W) x 2.0"(D)
	Net. / Gross Weight	9.4 lbs / 12.9 lbs
Special Features	Decoder	Axis P7701
	Switch	2 Port
** Design and Specification are subject to change without notice*		

PRE-INSTALL AND DEPENDENCIES

PRE-CONFIGURATION

Camera should be installed with desired shot.

Ensure these items are covered PRIOR to arriving at the store.

Tools Required

Standard tools

Lift Required?

NA

ACCESS

Software Access

NA

Other Access

PREPARE FOR ARRIVAL

NA

LIST OF INVENTORY REQUIRED FOR INSTALLATION

Item	Qty.	Included in the box? Enter Yes or No
APVM24-0-3001-B - Interior 24" Access View Monitor	1	Yes
Graybar 5' Black, CAT6a	1	Yes
Graybar 20' Black, CAT6a	1	Yes
MMB0303 - Adjustable Swing-Arm Wall Mount, Black [OR] MMW0502 - Mount, PVM, Drop Ceiling, White, 6-12' pole	1	No
Axis P7701 Decoder Add-on	1	Yes

DEPENDENCIES

New Stores

Cameras installed and APS server online with Security Center configured and available.

Bundle

NA

Remodel

NA

LIST OF POTENTIALLY RELATED DEVICES OR INVENTORY

NA

Item	Included in the box? Enter Yes or No
NA	

ON-SITE INSTALL PROCESS

Follow the *Pre-Install and Dependencies* instructions before starting the installation.

CHECK IN

Do the following upon arrival:

- Check in with and introduce yourself to the store ETL-GE or store lead.
- Confirm the store number.
- Locate the new equipment being installed. Document any missing devices and communicate them to the deployment support vendor.
- Establish a work plan for install with the store lead.
- Check in with Deployment Support

The Public View Monitor can be installed on a wall, or ceiling with the appropriate mount. Prior to installation, take the time to survey the area where the monitor will be located. Keep the following conditions in mind:

  - Lighting conditions
  - Viewing area
  - Ease of installation
  - Distance for the power source

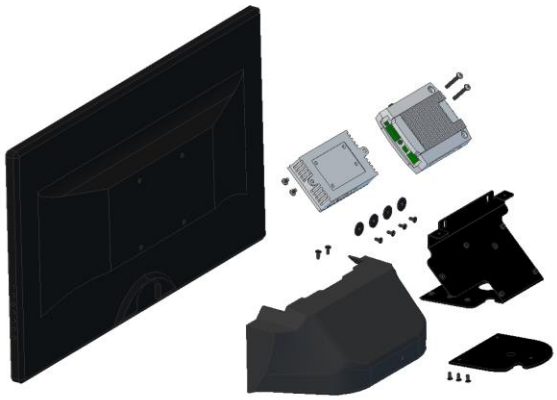
INSTALLATION

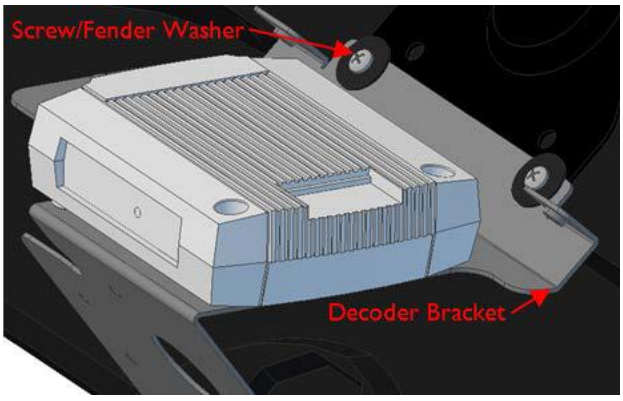
Installation Instructions

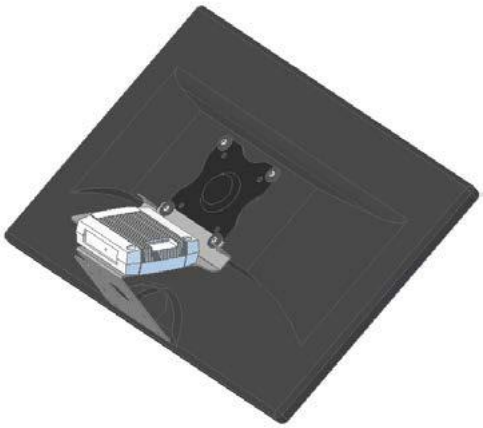
Mounting the monitor on Wall:-

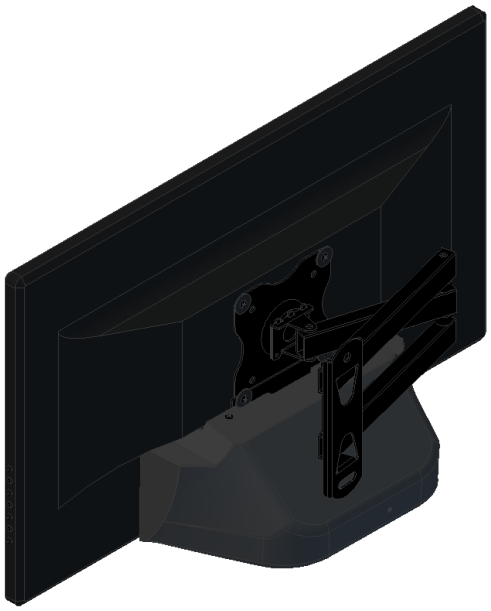
- The Decoder/2-port Switch Bracket must be removed prior to installing the PVM mount.
- To remove the Decoder Bracket, unthread the two screws retaining the Bracket and lift away from monitor.
- Align the VESA pattern holes on the PVM mount with VESA pattern on the monitor.
- Re-install the Decoder bracket over the bottom two holes on the PVM Mount.
- Install the four (4) screws & fender washers and tighten.

24" Monitor + Decoder + 2-port switch









Mounting the monitor on Ceiling:-

Use_MMW0502_INSTALL_GUIDE.pdf for in

Electrical Installation:-

- Determine the distance from the monitor to the power supply.
- Use 18 AWG wire for distances up to 1000 feet.
  - If the distance from the monitor to the power supply is greater than 1000 feet, contact Wren for additional options.
- The DC power connection is a 2 wire pigtail, located on the top right corner cable entry. Wires should be 18 AWG and stripped to approximately 3/8” in length. Solid or stranded wire can be used for the crimp.
- Before connecting power to the monitor, verify that the available voltage is 24 VDC.
- Polarity is critical. Connect the positive lead to the RED wire and negative lead to the BLACK wire. Make sure the center of the barrel plug that connects to the monitor is positive.
- Plug the male barrel power plug into the power port located under the shroud on the back of the monitor.

POLARITY IS CRITICAL! Be sure to connect the red lead to positive and the black lead to negative. Improper connection can result in damaged equipment and void the warranty.

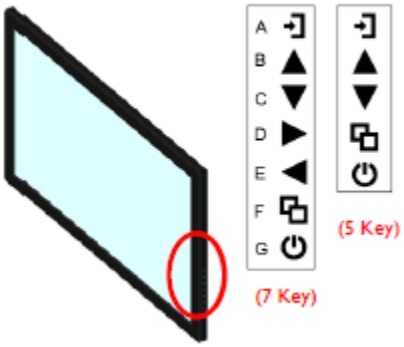
Network Connections:-

PoE POWER REQUIRED! Be sure the switch in use is PoE equipped and that the device is connected to a PoE enabled port. If a PoE switch is not used, the Axis P7701 module will not power up or function.

Contact Deployment Support prior to performing these steps.

- The Axis P7701 and optional attached IP camera are powered with PoE from the attached PoE splitter/switch.
- Determine the distance from the monitor to the network switch. Be sure to adhere to all IT network cable distance guidelines.
- Verify a PoE network switch is in use and that PoE has been enabled on the port in use.
- Connect the Ethernet cable to the empty RJ45 port on the 2-port switch.

Using the Buttons:-



This device uses unlabeled buttons located on the side of the monitor.

- A: Source Button – Use this button to change the video source.
- B-E: Directional Buttons – Use these buttons to navigate through the menus and adjust settings.
- F: Menu Button – Use this button to access the monitor's menu functions
- G: Power Button – Use this button to turn the monitor ON and OFF.

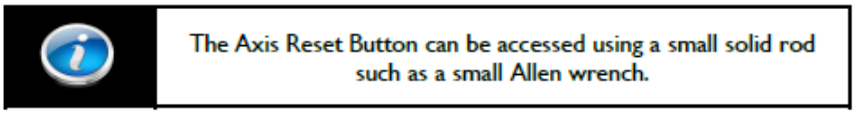
NOTE: To enable or disable the buttons, hold down buttons A &F for approximately 5 seconds or until "KEY UNLOCK" or "KEY LOCK" displays on the bottom of the screen.

Axis P7701 Setup and Configuration

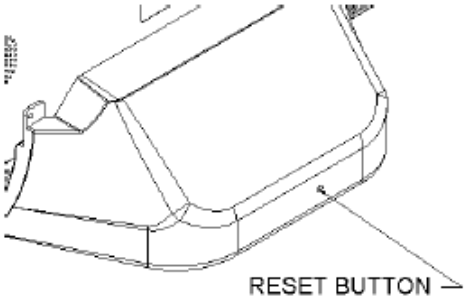
The Axis P7701 must be independently powered via PoE.
After powering the device, use the Axis IP Utility to discover this device on the network and configure as needed.
For additional information about this device, refer to the Axis User Manual.
A copy can be found online at the following address:
https://www.axis.com/files/manuals/um_p7701_1492775_en_1611.pdf

Factory Reset

To reset the Axis P7701 Decoder module:
- Disconnect the RJ45 connector for the P7701 module.
- Depress the reset button and hold the reset button while re-connecting the RJ45 connector.
- Hold the reset button for 10 seconds after powering.
- For additional information about the Axis P7701 decoder, contact Axis technical support or refer to the P7701 product manual.

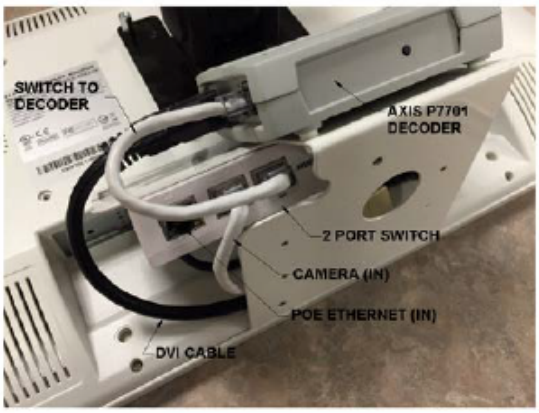


The Axis Reset Button can be accessed using a small solid rod such as a small Allen wrench.



Service

The Axis P7701 Decoder Add-on Module and 2-port switch is serviceable.
To service:
- Remove the plastic shroud on the rear of the monitor by unthreading the two (2) screws located at the top corners of the shroud.
- Disconnect power from the monitor and disconnect the RJ45 connector.
- Disconnect the DVI cable and Ethernet connections.
- Remove the decoder and/or 2-port switch and replace.
- Reconnect the DVI cable and Ethernet connections.
- Reattach the shroud.
- Power the devices.



Cable Connection

Mentioned above

TROUBLESHOOTING

Issue	Solution
Is monitor blank?	1. Press the pressure sensitive power button located on the button right of the case.
Test to see if power supply is providing enough power.	Use a voltmeter to see if the power supply is getting between 20VDC and 26VDC at the monitor. For outlet issues, have PML contact FMOC.
	Check where there is a video source configured in Decoder setting.
If camera Won't come online	It may be that the camera is plugged into a defaulted port. Contact Deployment support determine if you need to move the camera to a port that is configured.

SUPPORT AND ESCALATION

Escalation Contact Information	When to Contact
Vendor's Deployment Support	Initial troubleshooting
If the work is related to an R&D project, escalate to the vendor PM. If the work is not related to an R&D project, contact the CSC	When vendor deployment support is not available
TVS Hardware Engineering	• Email: TTS -TVS-Hardware-Engineering@Target.com • ServiceNow Group: ENG - Client Tech -Target Video Solutions

DEPLOYMENT SUPPORT

DEPLOYMENT SUPPORT ASSISTANCE

Please consult and validate with deployment support for ***configuration, out of box failures, deinstallation and removal .***

DEINSTALLATION AND REMOVAL

Work with the site contact to ensure pallets are not on the sales floor and clutter is kept to a minimum. Use a cart, flatbed, or tubs instead of pallet jacks.

DO NOT cut any old cables during the installation in case a back out is required

If there are special instructions for any of these areas, please add those here. If not, the assumption will be made that there are no special instructions and deployment support should be the first contact regarding these items.

DEFINITION OF DONE

VERIFICATION AND VALIDATION

Contact Deployment support to validate the following:

- Ensure PVM in scope are checked on the smart sheet as installed.
- Record MAC ID of the camera attached to PVM.
- Record Serial Number
- For dead on arrival, capture the information in the smartsheet issue log

Required Information

CHECK OUT

Checkout with vendor deployment support before leaving the store.

DELIVERABLES

Submit deliverables immediately after installation.

Handover the remote to Store-TM.

Validate with Deployment Support the following deliverables are correct and uploaded to the SmartSheet.

1. Take 3 pictures of the completed install and submit to project.
    - One from 15 plus feet away,
    - One from close enough to have the unit fill the picture that shows it working.
    - One from a side angle.

RELATED DOCUMENTS

Are there any documents related to this document? No

No

UPDATES

Date of Update	Change Description	Changed By
3/10	P&E initial review	Kirk Ingram
5/12	Engineer Review	Dan Prew

Have all fields been completed? Yes

Update the Table of Contents before saving.

CONTACTS

Target New Stores Projects team:
TTS-NewStores@target.com

Target Store Remodels team:
TTS.Remodels@target.com

Target Store Bundle team:
TTS-HardwareImpSvcs-Bundle@Target.com

Target Special Projects team:
TTS-SpecialProjects@target.com

Target HQ Deployment Support team:
TTS-DeploymentSupport@target.com

AP Camera Refresh

Implementation Document

Target Technology Services

Last updated: **May 27, 2021**

AP Camera Refresh

Project Overview

This document provides specific detail for Bundle's 2021 Rollout & Deployment execution of the **AP Camera Refresh** project scheduled in Bundle Cycle 1.

Device information included:

- Interior Camera XND L6080 with MiniGlobe Surface Mount
- Exterior Camera XNV L6080 with MiniGlobe Surface Mount
- Axis P3915r – MK111
- 24" Access View Monitor with Power Supply

Details include part numbers, install/de-install instructions trouble-shooting steps and additional details tailored to the technician completing this project.

Target is executing Small Format Stores, Full Remodels, and Multi-Location Special Projects across the nation. This will take the unwavering commitment and proactive collaboration of the entire team. Use this document as a guide to resolve challenges and complete work with success.

Device Overview

OWNER

Amanda Benedict

PLATFORM AND DEVICE DESCRIPTION

Platform: Asset Protection

Product Category: Cameras

HARDWARE INCLUDED IN CAMERA AND APVM KITS

XND-L0608 & XNV-L0608

Manufacturer Name: Hanwha North America

Make/Model:

- XND-L0608: HANWHA XND-L6080 FIXED IP CAMERA, Indoor*
- XNV-L0608: HANWHA XNV-L6080 FIXED IP CAMERA, Outdoor

P3915R MKII

Manufacturer Name: Anixter

Make/Model: TGT-AXIS P3915R MK II

24” ACCESS VIEW MONITOR

Manufacturer Name: Wren Solutions

Make/Model: APVM24-0-3001-B

24” ACCESS VIEW MONITOR POWER SUPPLY

Manufacturer Name: Wren Solutions

Make/Model: CE-S320-W

MGDS2U-BBHTF1S (BLACK)*

Manufacturer Name: Wren

Make/Model: MGDS2U-BBHTF1S

MGDS2U-BWHTF1S (WHITE)*

Manufacturer Name: Wren

Make/Model: MGDS2U-BWHTF1S

*****For the shots listed below, the XND-L0608: HANWHA XND-L6080 FIXED IP Indoor **camera will be preassembled** into its respective MGDS2U-BBHTF1S and MGDS2U-BWHTF1S housing and dome.

Stockroom - Fire Aisle Camera {AP681} {AP682} {AP683} {AP684}

Cash Office – Vestibule Camera {AP302}

AP – Holding Room Camera {AP446}

Pre-Install and Dependencies

Prepare for Visit

Ensure these items are covered PRIOR to arriving at the store.

Important! Work in the Control Room, sales floor or entrance/exits is not permitted while the store is open. All work in these areas must be complete and fully cleaned up at least 15 minutes prior to the store opening.

Store Plans

Prior to visiting the store, ensure your vendor project manager team has shared a copy of the store-specific plan. Review the plan and make preparations to secure all recommended materials.

Note: This must be pulled by someone logged into the Target Network. Plans are found in network folder: *\\corp\dfsroot\Applications\TPSD\CADTTS\AP_Bundle*

Tools Required – refer to camera and monitor install docs in appendix for specific requirements.

- Screwdriver
- Drill and drill bits
- Caulk
- Conduit
- Biscuit for Cat6A cable – one for each camera
- Other materials called out in store plan

Ladder/Lift

Ladder provided by tech or vendor is required at each sites. Select sites require a lift.

On-Site Install Process

Check In

Do the following upon arrival:

- Check in with and introduce yourself to the store leadership. Request the AP leader, but if not available request Service & Engagement Leader, Store Director, PML or other available leaders.
- Confirm the store number.
- Present the Letter of Authorization (LOA).
- Share an overview of the work being completed.
- Request access to the Control Room or AP Office to locate project equipment.

Locate Equipment

Look for boxes in the control room, electronics cage, or AP Office with a bright green label:

2021
Infra Bundle C2
Place in Control Room

Or

2021
Infra Bundle C2
Place in Electronics Cage

If you are unable to locate equipment in the control room search the following areas:

- Receiving and Bulk Stockroom
- AP Office – ask store AP team to complete this search
- PML Office/Cage

If the search is still unsuccessful, partner with your vendors deployment support to determine the Target team member name and location identified during the pre-call. Gather the date the package arrived and the name of the individual who signed for the package. Provide this information to the store to help find the missing items. The AP team may be able to assist using TVS to find the shipment.

Inventory Equipment

Confirm all required elements are available to complete the work. Notify your vendor's deployment support immediately to report missing elements.

AP Camera Installation Kits:

Camera	Camera Kits	Hardware Included	Hardware Description
Team Member & Trucker Doors	EQ-AVM-PVM-PWR-SUPPLY	CE-S320-W	AVM/PVM Power Supply
	EXT-VL6080-ARMOR	XNV-L6080	Hanwha XNV-L6080
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
	INT-AVM-WALL	APVM24-0-3001-B	24" APVM monitor black
		6AS10-5E	5' Black Patch Cable
		MMB0303	APVM wall mount
Stockroom & Fire Aisle	INT-L6080-ARMOR-BLACK	XND-L6080	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with 4" MiniGlobe Detention Surface Mount BLACK Housing with Bronze Tinted Dome)
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
Mall Entrance	EQ-TBARS	DX/DXL -216	USG CG5250 DONN DX/DXL 216 2'
	INT-L6080-CEILING-TILE-8	XND-L6080	Hanwha XND-L6080 Indoor Dome (camera with dome)
		CR8-L-T2	Wren 8" Fixed Camera Ceiling Dome
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
Entrance & Exit Vestibule, Mall Exit	INT-3915-WALL	01074-001	Axis P3915-R Fixed dome camera
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
Asset Protection Camera Room, Booking Room, & Control Room	INT-L6080-CEILING-TILE-8	XND-L6080	Hanwha XND-L6080 Indoor Dome (camera with dome)
		CR8-L-T2	Wren 8" Fixed Camera Ceiling Dome
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
	EQ-TBARS	DX/DXL - 216	2' Cross Tees WHITE (1 piece)
Asset Protection Holding Room	INT-L6080-ARMOR-WHITE	XND-L6080	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with 4" MiniGlobe Detention Surface Mount WHITE Housing with Bronze Tinted Dome)
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
	INT-AVM-WALL	APVM24-0-3001-B	24" APVM monitor black
		6AS10-5E	5' Black Patch Cable
		MMB0303	APVM wall mount
	EQ-AVM-PVM-PWR-SUPPLY	CE-S320-W	AVM/PVM Power Supply
Cash Office Room & Vestibule	INT-L6080-ARMOR-WHITE	XND-L6080	XND-L6080 WISENET X INDOOR DOME, 2MP VARIFOCAL, WDR (camera with 4" MiniGlobe Detention Surface Mount WHITE Housing with Bronze Tinted Dome)

Camera	Camera Kits	Hardware Included	Hardware Description
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
	INT-AVM-WALL	APVM24-0-3001-B	24" APVM monitor black
		6AS10-5E	5' Black Patch Cable TVS
		MMB0303	APVM wall mount
	EQ-AVM-PVM-PWR-SUPPLY	CE-S320-W	AVM/PVM Power Supply
	INT-L6080-CEILING-TILE-8	XND-L6080	Hanwha XND-L6080
		CR8-L-T2	Wren 8" Fixed Camera Ceiling Dome
		6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
	EQ-TBARS	DX/DXL - 216	2' Cross Tees WHITE (1 piece)
Cash Office – Camera Ready	INT-L6080-CEILING-TILE-READY-8	6AS10-20E	20' Black Patch Cable TVS
		6AS10-5E	5' Black Patch Cable TVS
		CR8-L-T2	Wren 8" Fixed Camera Ceiling Dome
	EQ-TBARS	DX/DXL - 216	2' Cross Tees WHITE (1 piece)

CAMERAS BY DROP LOCATION

Installation Location	Drop #
AP - Booking Room Camera	AP 234
AP - Booking Room Camera	AP 403
AP - Camera Room Camera	AP 549
AP - Holding Room AVM	AP 447
AP - Holding Room Camera	AP 446
Cash Office - Camera Ready Dome	AP 550
Cash Office - Room Camera	AP 400
Cash Office - Vestibule AVM	AP 303
Cash Office - Vestibule Camera	AP 302
Entrance - Mall 1	AP 203
Entrance - Vestibule	AP 424
Entrance - Vestibule 2	AP 428
Exit - Mall 1	AP 427

Installation Location	Drop #
Exit - Vestibule	AP 423
Exit - Vestibule 2	AP 429
Exterior - Team Member Entrance	AP 304
Exterior - Truckers Door Camera	AP 300
Stockroom - Fire Aisle	AP 681
Stockroom - Fire Aisle	AP 682
Stockroom - Fire Aisle	AP 683
Stockroom - Fire Aisle	AP 684
Team Member Entrance AVM	AP 305
Truckers Door AVM	AP 301
Control Room	AP 401

Cameras

Hanwha XNV-L6080

Hanwha XND-L6080

Wren 8" Fixed Camera Ceiling Dome CR8-L-T2

Axis P3915-R

Wren 4″ Detention-Grade MiniGlobe Housings, White and Black*

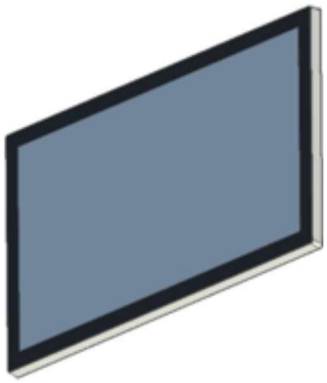
For the shots listed below, the XND-L0608: HANWHA XND-L6080 FIXED IP Indoor **camera will be preassembled into its respective MGDS2U-BBHTF1S and MGDS2U-BWHTF1S housing and dome.

Stockroom - Fire Aisle Camera {AP681} {AP682} {AP683} {AP684}

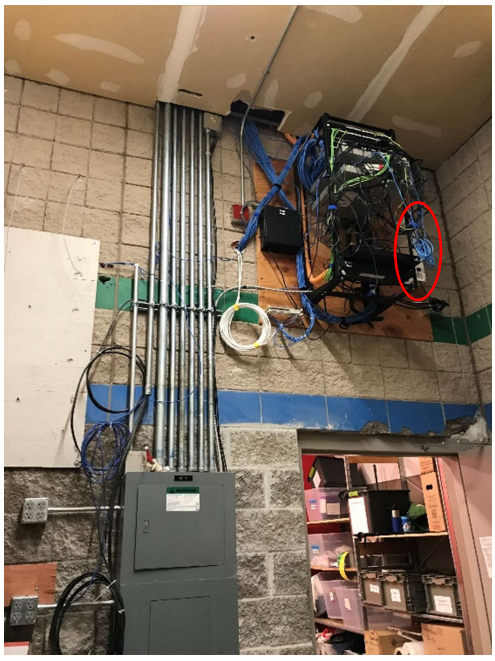
Cash Office – Vestibule Camera {AP302}

AP – Holding Room Camera {AP446}

Access View Monitor (AVM)



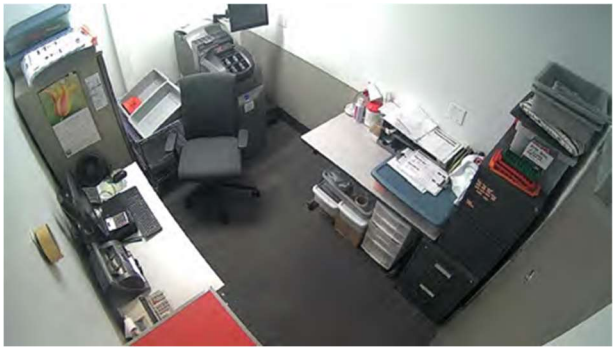
AVM/PVM Power Supply – 3 Leads



Location Shots and Photos

Cash Office

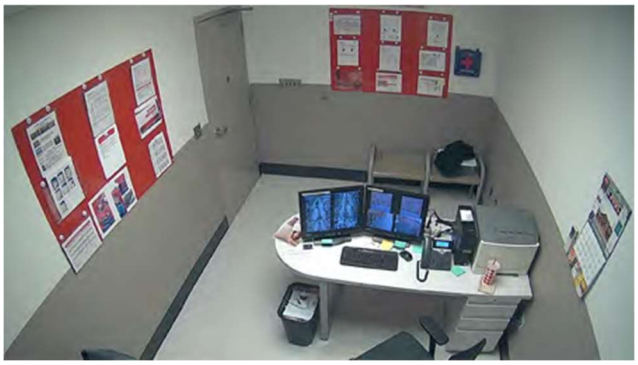
(APM is in the interior of the cash office)



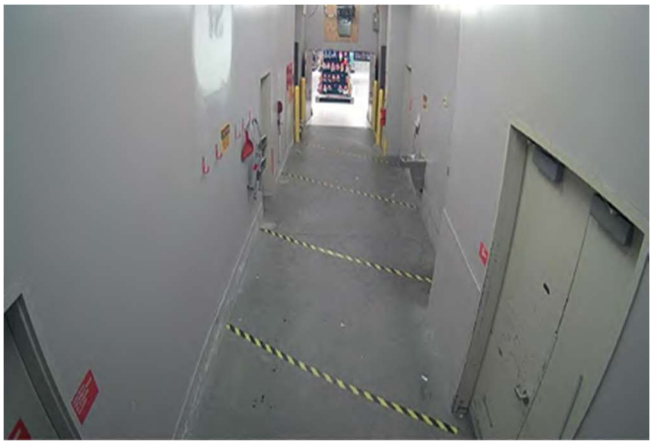
Cash Office Vestibule

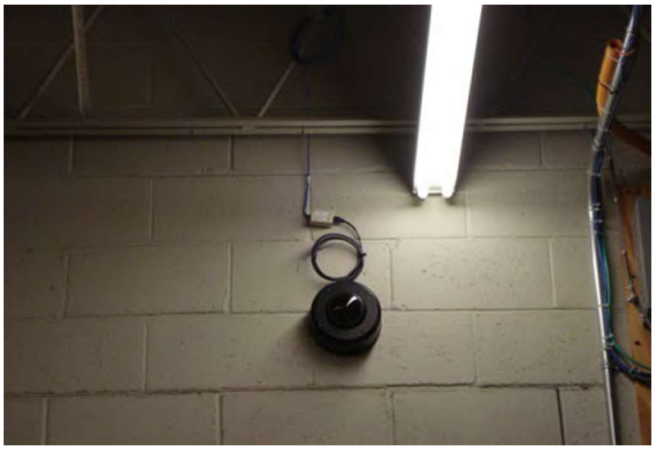
AP Holding Room

AP Booking Room/AP Camera Room



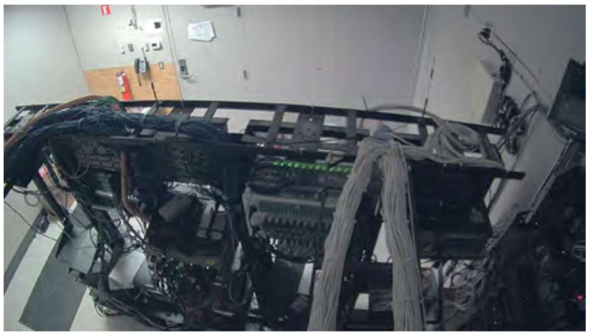
Fire Aisle

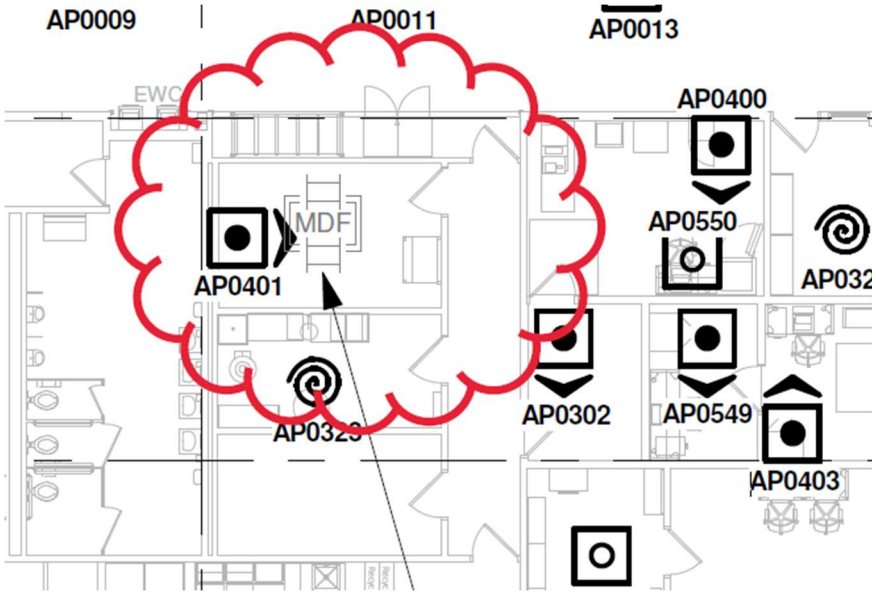




Note: Do **not** leave the biscuits exposed

Control Room





Prepare For Work

These cameras are considered critical shots for maintaining a safe and secure store. They must be up and running properly prior to leaving the store.

- Contact your vendor's deployment support after each camera install to complete the validation process. Do not leave the store without approval from your vendor's deployment support.
- Complete entrance/exit, sales floor & MDF work before the store is open. Lifts are **not** allowed on the sales floor during business hours.
- All patch cables must be labeled at the MDF/IDF

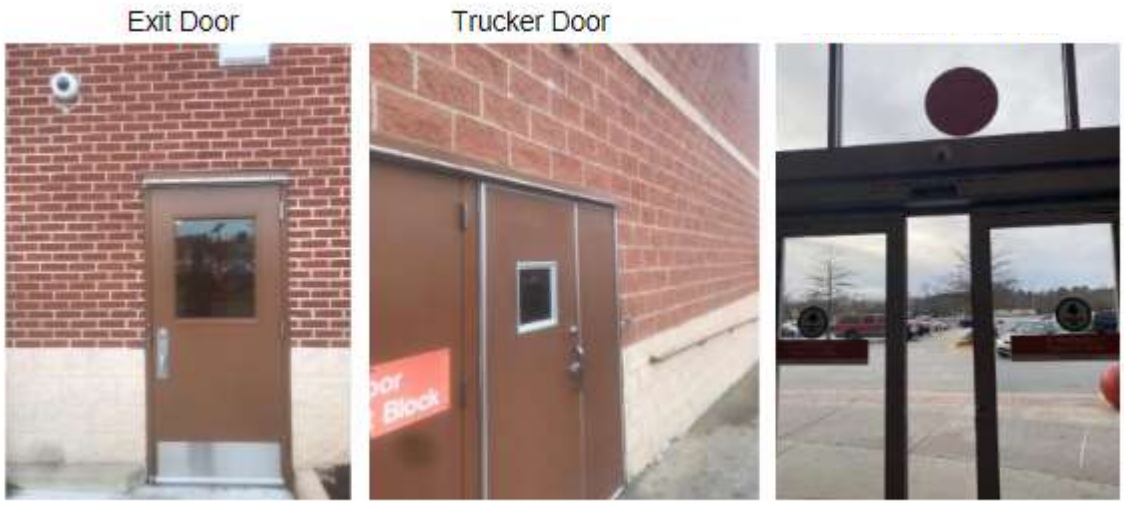
De-installation and Removal Analog Devices

- Locate the analog cameras/AVMs using the store print.
- Remove only analog cameras/AVMs designated on the store print.
  - Remove all cables connecting the analog equipment.
  - Remove external power supplies for monitors and external domes.
- Report which analog cameras and monitors have been removed to your vendor deployment support.
- Place removed analog cameras on the CRC pallet and capture a photo of the cameras.
  - Photo cannot be of a sealed box.
  - Ensure you are far enough way so the individual reviewing can confirm it is on the CRC pallet, but close enough to identify the cameras on the pallet.
  - If necessary take multiple pictures

Install New Cameras

1. Unbox and stage each new camera.
2. Uninstall each designated analog camera.
3. Abate analog cabling.
4. Install each new camera following steps outlined in device installation documents. Partner with your vendor to pull each of the device documents that apply to the cameras at the store:
   - *XND-L6080 (8" Ceiling Tile with Recessed Bronze dome and dust cover)*
   - *XNV-L6080*
   - *Axis P3915 – Mrk 11*
   - APVM24-0-3001-B 24" LCD Monitor with Power Supply
   - *APVM Wall Mounts*

5. Perform a Cat6a cable run back to the prescribed IDF or MDF.
6. Plug the network cable into the camera.
7. Once plugged in, work with Deployment Support to configure the camera and to align the camera shot.
8. Take photos of each completed camera and monitor installation
    - Take a photo close enough to the camera that we can confirm it is installed correctly, but far enough away that we can confirm it is in the correct location.
    - Take multiple photos if necessary to accomplish both objectives.



9. Provide photo(s) of analog cameras and monitors on CRC pallet.
    - Photo cannot be of a sealed box.
    - Ensure you are far enough way so the individual reviewing can confirm it is on the CRC pallet, but close enough to identify the cameras on the pallet.
    - If necessary take multiple pictures

NOTE: If any of the cameras or AVMs in scope are unable to be installed during the visit for any reason, the uninstalled hardware **must** be secured for a return visit before leaving the store.

Secure the hardware in the control room with a note attached including date, company name and message “XX/XX <Vendor Name> Do Not Remove –Bundle Cycle 1”. **

Report specific details on the work remaining and exact location of equipment to vendor deployment support.

Shot Specific Instructions

AP423 Exit 1 & AP424 Entrance 1 – mount unit centered on door frame	Do **not** leave the biscuits exposed

Confirm Work is Complete

Do not leave the store until vendor deployment support confirms all cameras are installed completely

Contact your vendor' deployment support to ensure all Cameras in scope are installed correctly and the shots are validated for each camera prior to leaving the store.

Your vendor deployment support will confirm the following for each camera:

- On vlan 6
- Focused to be as clear as possible
- No dirt/smudge/scratches on the lens
- No dirt/smudge/scratches on the dome
- No tech equipment (e.g. ladder, lift) left
- As little wall, ceiling or sky in the shot as possible
- Obstructions avoided such as large signs blocking view
- Leveled out as much as possible
- Area is well lit
- Camera shot is in full color
- All physically removed analog cameras are also removed from Security Desk

Note: Any and all camera installs that do not follow the associated map MUST be approved through Target Headquarters

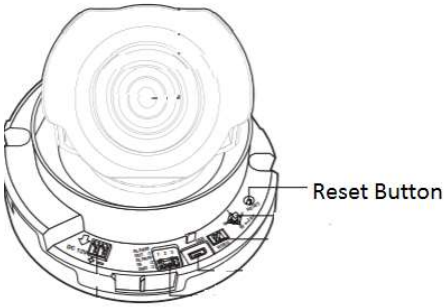
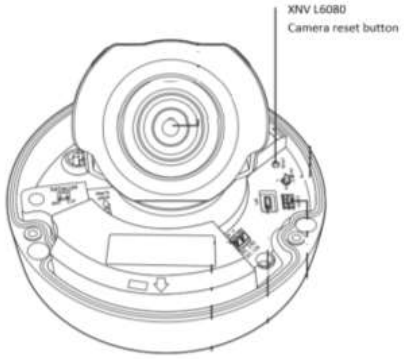
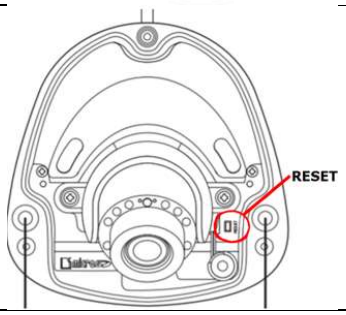
CAMERA TROUBLESHOOTING

Contact Vendor Deployment Support

Your vendor's deployment support will guide you through all trouble shooting activities. First step is always to contact Deployment Support.

Reset the Device

If support is unable to trace the camera due to an improper IP or password configuration you may be asked to reset the camera following the steps below.

Factory reset the camera. Please refer the pictures below for factory reset. The reset button restores all camera settings to the factory default. Press and hold the reset button for about 5 seconds to reboot the system.	
XND-L0608	
XNV-L0608	
P3915R – MK111	

Reset the Device

In addition to resetting the camera, confirm the network LED is blinking – if not, check the network cable connection.

Support and Escalation

For support with all issues contact your Vendor's Deployment support team.

If they are unable to resolve the issues they will follow process outlined in the Deployment Support guide including escalating to a Target engineer via Slack.

Out of Box Failure

Vendor deployment support will assist with additional troubleshooting on all potential out of box failures (OBF) for cameras and AVMs.

If the unit is deemed OBF, the tech is responsible for applying a shipping label, packaging the device up for return shipment and bringing the device to the outbound shipment location in the store' receiving area.

Report the tracking number to deployment support. It must be uploaded in the Bundle Hardware Log.

Definition of Done

- Do not leave the store until deployment support confirms shots for all cameras installed.
- All AVMs installed are confirmed on the network by deployment support
- Photos of each camera and AVM installed (physical installation) have been sent to deployment support to be uploaded into Smartsheet. Photo of AVM must be of the AVM screen showing the working camera shot feeding to the AVM.
- Any extra or OBF equipment has been prepared to be shipped and move to the outbound shipment area of receiving
- All garbage equipment associated with this project has been cleaned up and disposed of in the proper area of the store.
- Check out with the AP leader (if available) or key carrier on duty.

CONTACTS

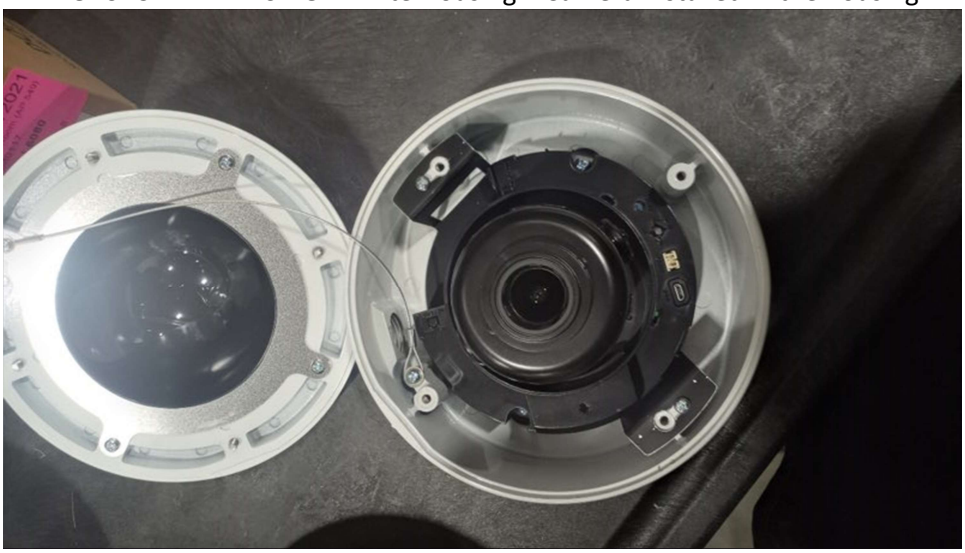
TargetDeploymentSupport@Crosscom.com

MGDS2U-BWHTF1S-TGT

(White)

MGDS2U-BWHTF1S-TGT White Housing – NO Camera installed in housing

MGDS2U-BWHTF1S-TGT White Housing – Camera installed in the housing



MGDS2U-BBHTF1S-TGT

(Black)

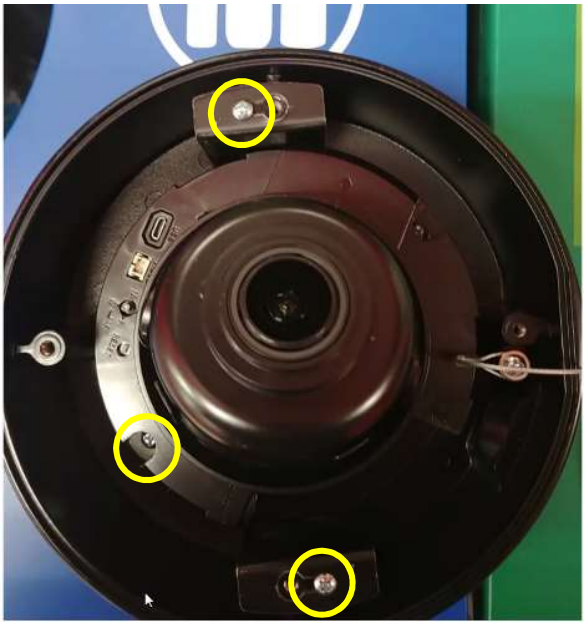
T0188 {AP681}

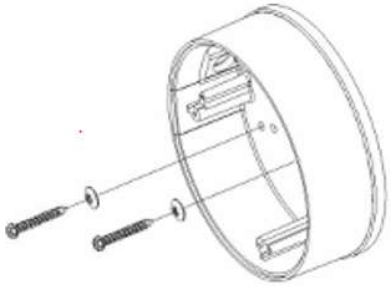
T0188 {AP682}

MGDS2U-BBHTF1S-TGT Black Housing
NO Camera installed in housing

MGDS2U-BBHTF1S-TGT Black Housing
Camera installed in the housing

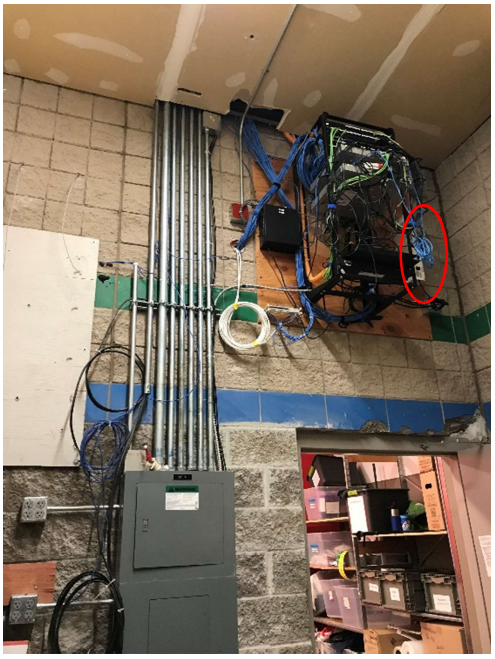
Uninstall the camera by loosening the screws (circled in yellow), then twist the camera until it pops out. Once camera part is out, you will have access to the mounting plate and can then drill through the indented holes (highlighted by the white arrows) to then screw the mounting plate onto the wall.





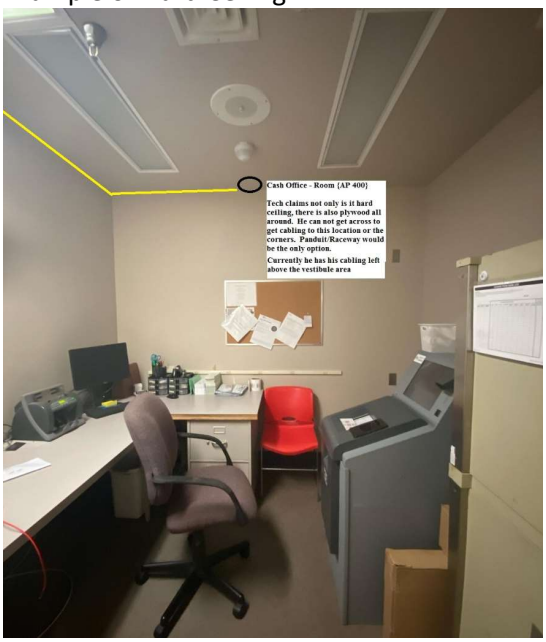
AVM/PVM Power Supply

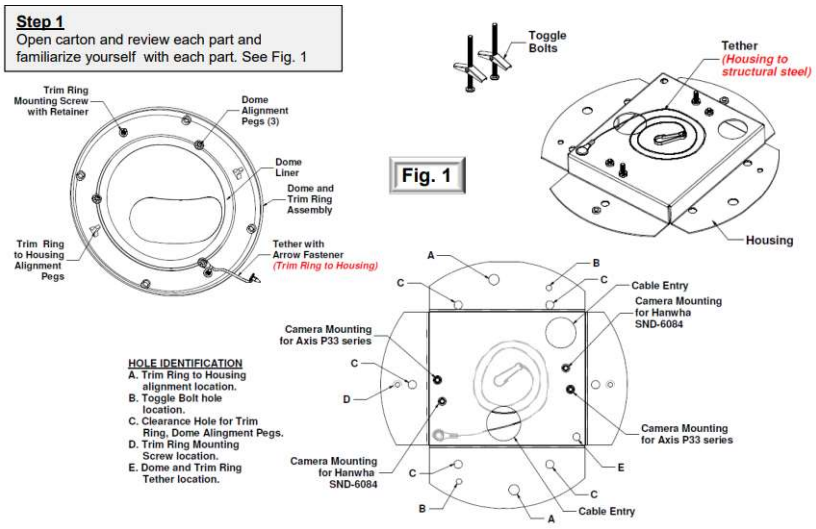
Power Supply with 3 Leads (first picture) and power supply installed at an IDF (second picture).

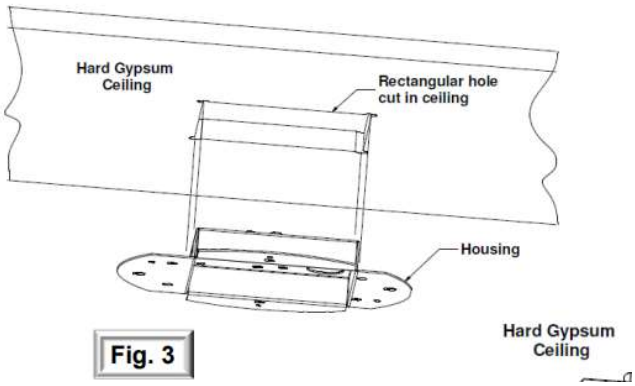


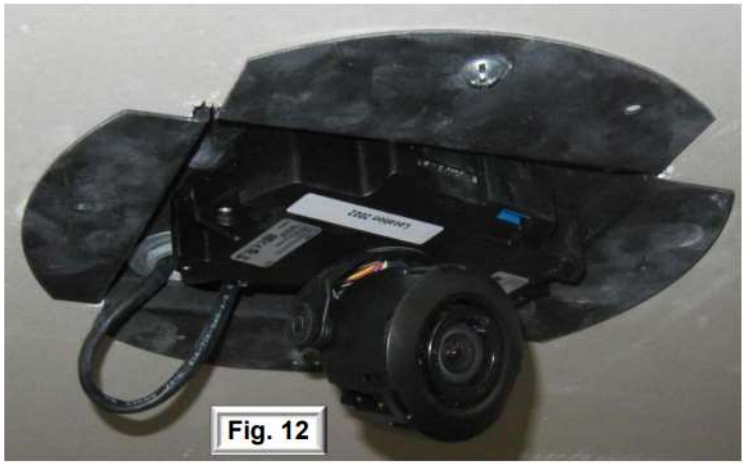
Gypsum Mount

Hard ceiling in cash office -> order this part:
Gypsum mount = **CDR6-BWFX4DSS** (Sales Floor - Food Avenue Compatible - Axis P3354, HTA SND-6084)
Example of Hard Ceiling:



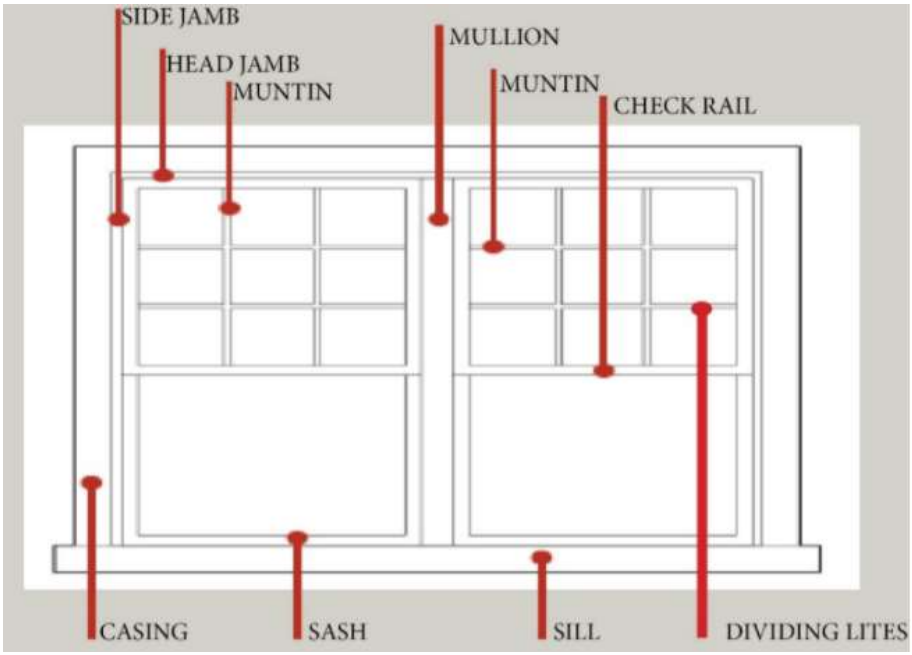




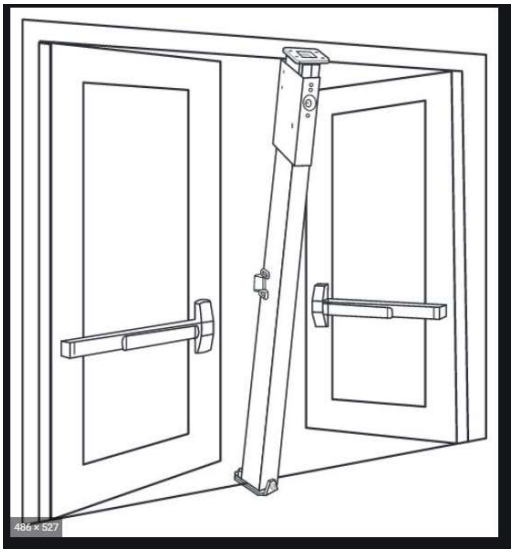


Building Terms

Mullion



Removable Mullion



Hard Ceiling's Requiring Gypsum Mount – Workaround due to Lack of Hardware

Below are the steps we will leverage if we run into a hard ceiling during camera install.

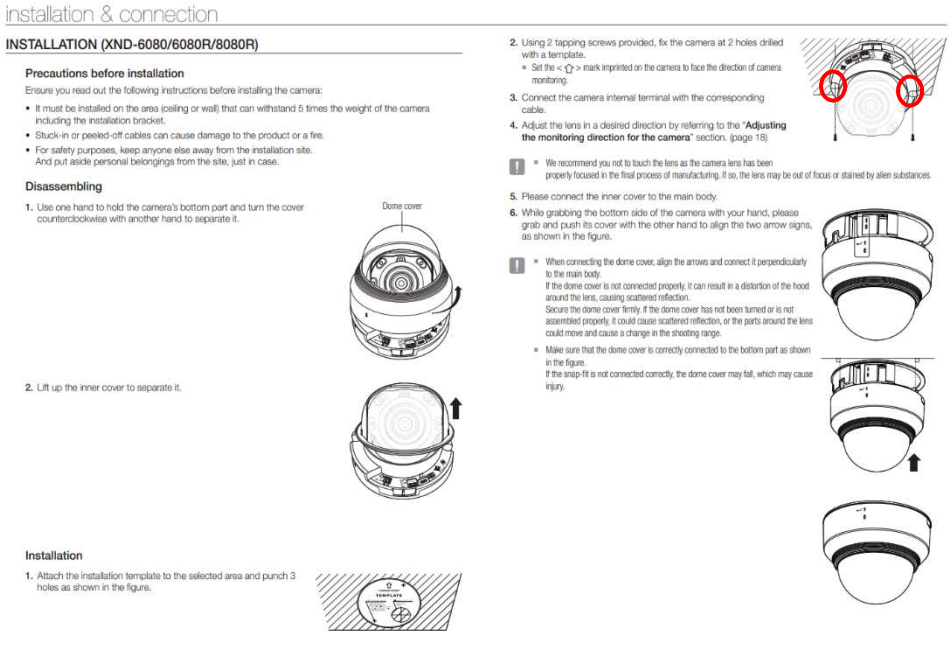
For Cycle 1 going forward –
If the install tech runs into a location where there is a hard ceiling, we are instructing them to install the XND-L6080 directly onto the gypsum ceiling.

Tech to install the XND-L6080 as shipped.
(If it is a XND for a cash office, it will NOT have a dome included).
Vendor PM to immediately enter a Hardware Request for the dome that will be needed for the XND:
XNDDome
Vendor PM to log a Hardware Request for a gypsum mount using the Bundle Hardware Request form.
Vendor PM to send tech back when XNDDome arrives onsite to finish the camera.
Tech must dust off camera lens before putting on the dome.
Tech to put on dome.

Install Step-by-Step

Tech to install the XND-L6080 as shipped.

- Unbox camera
- Uninstall the camera from the housing by loosening the screws, then twist the camera until it pops out.
- Once camera part is out, you will have access to the mounting plate.
- Drill through the indented holes (circled in red in the picture below)
- Mount the housing to ceiling using the included yellow plastic anchors and self-tapping screws included in kit. The XND-L6080 camera comes with 3 plastic anchors and 3 self-tapping screws (2 sets to be used during install, 1 set as extra). (Follow instructions on page 14 of Wisenet camera install guide that is included in the box with the camera).


installation & connection

INSTALLATION (XND-6080/6080R/8080R)

Precautions before installation

Ensure you read out the following instructions before installing the camera:

- It must be installed on the area (ceiling or wall) that can withstand 5 times the weight of the camera including the installation bracket.
- Stuck-in or peeled-off cables can cause damage to the product or a fire.
- For safety purposes, keep anyone else away from the installation site. And put aside personal belongings from the site, just in case.

Disassembling

1. Use one hand to hold the camera's bottom part and turn the cover counterclockwise with another hand to separate it.

Dome cover

2. Lift up the inner cover to separate it.

Installation

1. Attach the installation template to the selected area and punch 3 holes as shown in the figure.

2. Using 2 tapping screws provided, fix the camera at 2 holes drilled with a template.
   - Set the < > mark imprinted on the camera to face the direction of camera monitoring.
3. Connect the camera internal terminal with the corresponding cable.
4. Adjust the lens in a desired direction by referring to the "**Adjusting the monitoring direction for the camera**" section. (page 18)

- We recommend you not to touch the lens as the camera lens has been properly focused in the final process of manufacturing. If so, the lens may be out of focus or stained by alien substances.

5. Please connect the inner cover to the main body.
6. While grabbing the bottom side of the camera with your hand, please grab and push its cover with the other hand to align the two arrow signs, as shown in the figure.

- When connecting the dome cover, align the arrows and connect it perpendicularly to the main body.
  If the dome cover is not connected properly, it can result in a distortion of the hood around the lens, causing scattered reflection.
  Secure the dome cover firmly. If the dome cover has not been turned or is not assembled properly, it could cause scattered reflection, or the parts around the lens could move and cause a change in the shooting range.
- Make sure that the dome cover is correctly connected to the bottom part as shown in the figure.
  If the snap-fit is not connected correctly, the dome cover may fall, which may cause injury.

14_ installation & connection

- Attach camera to housing and secure camera.
- Confirm with Deployment Support that camera is functioning as expected.

After camera with XNDDome is installed, scope is complete for vendor for this camera (XND-L6080 mounted on a gypsum ceiling without a gypsum mount).

Assets Protection

Installation Guide

7L535

INT-6230-CEILING-TILE-8

Last Update: 19.06.26

INT-6230-CEILING-TILE-8

Assembly Contents and Installation Steps

ASSEMBLY INVENTORY
INT-6230-CEILING-TILE-8

MANUFACTURER	PART #	DESCRIPTION	QTY.
Graybar	6AS10-10E	10' Black, CAT6a	1
Graybar	6AS10-20E	20' Black, CAT6a	1
Wren Solutions	CR8-P3	8” Recessed Ceiling Dome	1
Hanwha	QNP-6230	PTZ Camera	1

Note: Camera locations denoted as ‘READY’ do not include a camera. All other inventory items are included. Installation should include all steps other than those specific to camera installation, aiming and focusing.

NOTE: If ceiling tile measures 2’x4’, cut tile into (2) 2’x2’ pieces. Install ceiling tile grid “T-bar” to divide 2’x4’ grid space into (2) 2’x2’ sections. Fill one of the 2’x2’ grid spaces with (1) of the ceiling tile 2’x2’ pieces. The remaining 2’x2’ ceiling tile will be used to install camera.

Step 1: Remove the ceiling tile at the desired camera location.

Step 2: Drop the dome into the ceiling tile replacement and install it in place of the old tile in the ceiling.

Step 3: Install wire safety tether to red iron (Figure 1) leaving loose end hanging.

Step 4: Ensure that the required 14 gauge 3 wire power, and separate network drop are near the location where the assembly is to be installed.

NOTE: Ceiling tile support has “Break-Off Tabs” used to protect hook portion of support during shipping. Each “Break-Off Tab” must be removed before installation.

Step 5: Open the Hanwha QNP-6230 camera carton. Assemble Hanwha QNP-6230 per manufacturer’s instructions.

Step 6: Attach Hanwha QNP-6230 camera to the camera bracket, pull out the tether from the QNP-L6230 base and hook it to the camera.

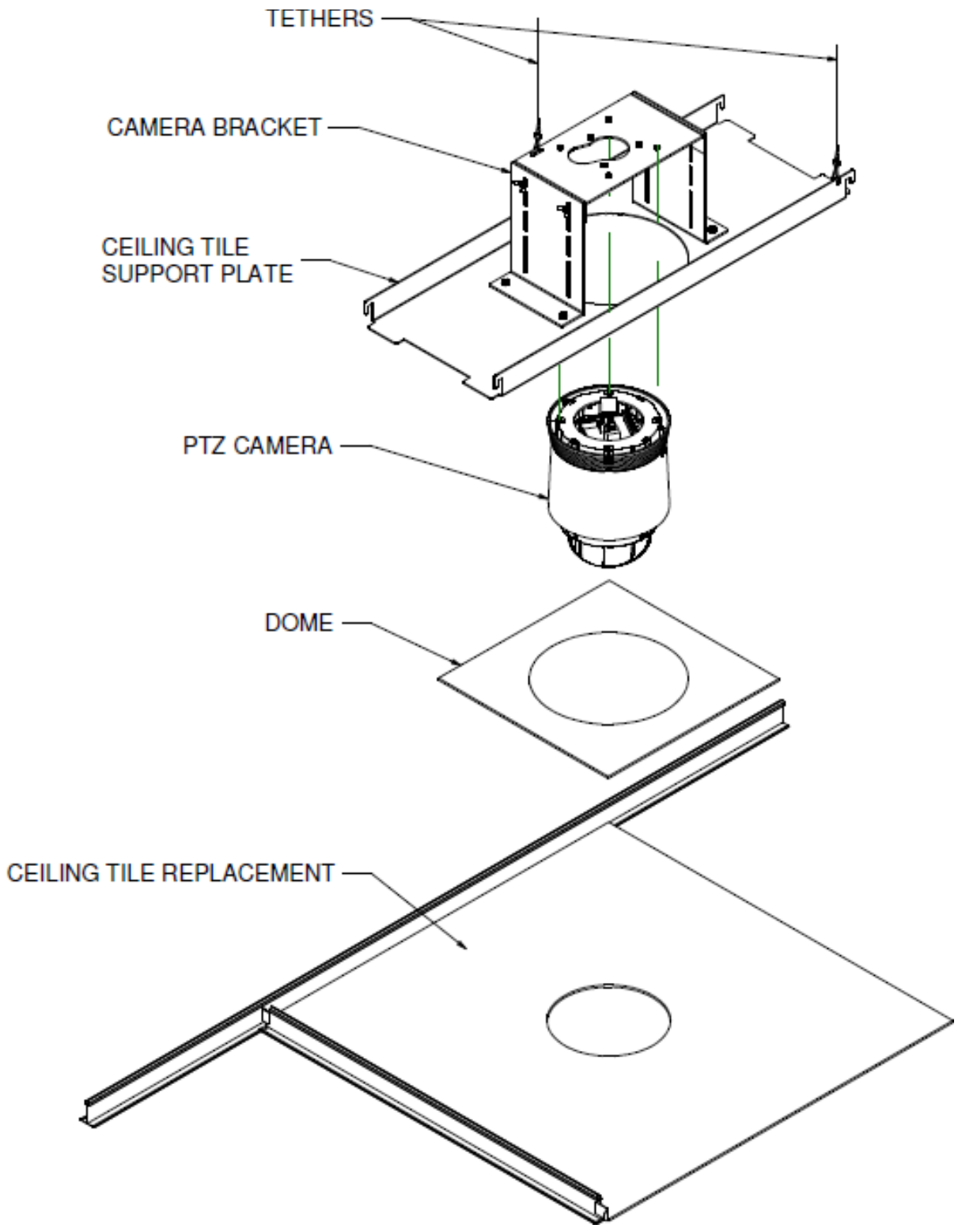
Step 7: Install Hanwha QNP-6230 Camera to its Camera base.

Step 8: Place the ceiling tile support plate assembly on top of the ceiling tile/dome and allow the hooks to rest on the ceiling tile grid, secure any tethers to the assembly.

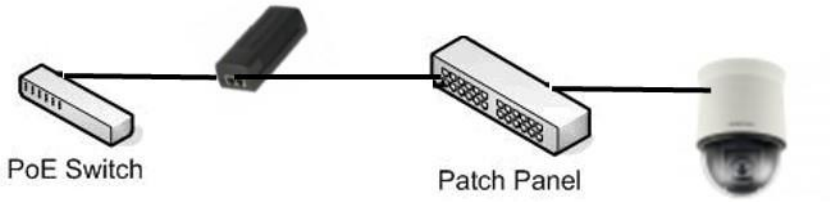
Step 9: Make all necessary cable connections to the Hanwha QNP-6230 camera.

INT-6230-CEILING-TILE-8

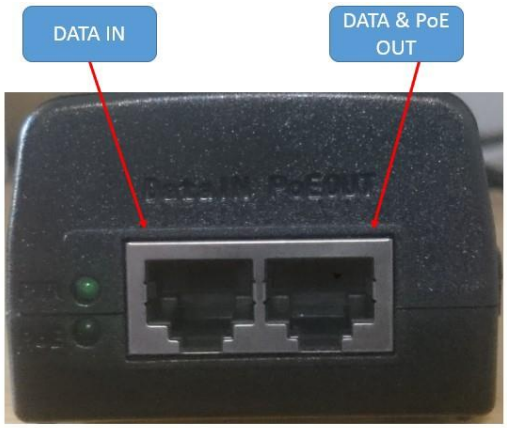
Assembly Contents and Installation Steps



Note: Midspan installation is required if the store doesn't have a newer switch series which can source 30 Watts power to the camera (Cisco 350 model and later). Please follow the instructions below to install the Midspan.



Hanwha Midspan



Insert the AP network cable to the DATA IN port of the midspan and connect DATA & POWER OUT to the Camera end.

Housing Installation

•Remove Ceiling Tile at the installation location

•Drop the Dome into the Ceiling Tile Replacement and install it in place of the old tile in the ceiling tile support grid. Please refer to **FIG 1**

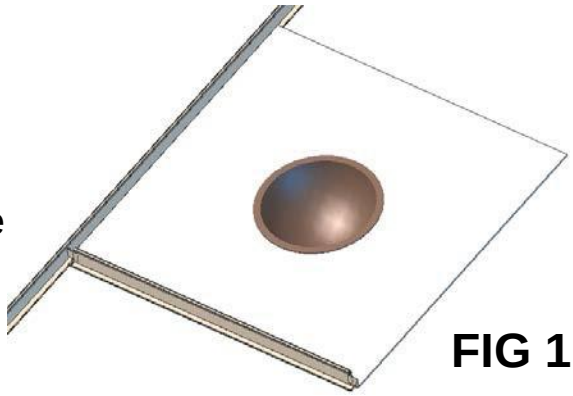


FIG 1

INT-6230-CEILING-TILE-8

Assembly Contents and Installation Steps

- Take looped end of the safety tether and pass it over the lower two angles of the ceiling support structure.
- If ceiling support structure is not available, attach looped end to structure capable of holding 3x the weight of this product.
- Pass end with clip through looped end and leave hanging.
- Leave no more than 12” of slack in installed safety cable.

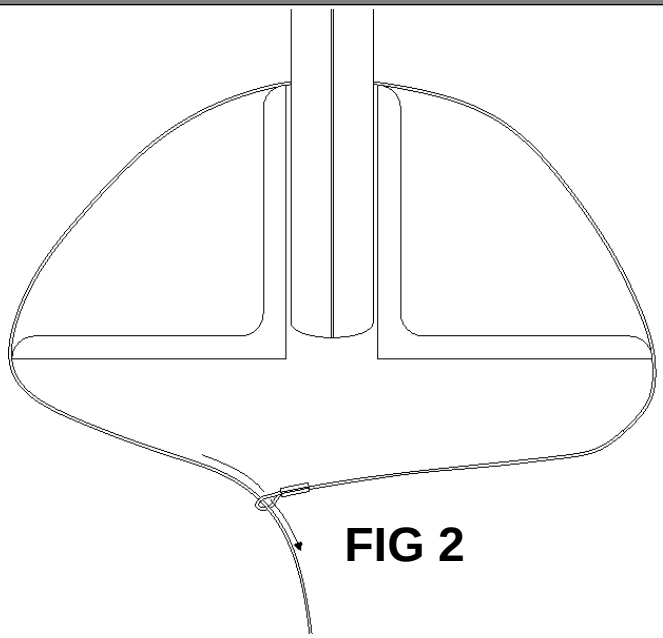


FIG 2

Note: Ceiling tile support has 4 **“Break-Off Tabs”** designed to provide added protection during shipping. Flex each **“Break-Off Tab”** up and down until **Tab** is free of ceiling tile support. Please Refer to **FIG 3**

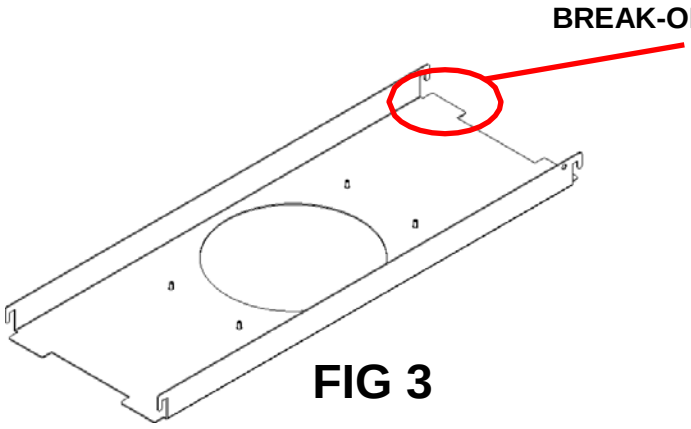


FIG 3

- Unfasten the screw on the PTZ camera base as shown in **FIG 4**, push in the hook and rotate the camera base counter-clockwise. When the hook does not rotate anymore, pull down the camera unit and separate it from the base.

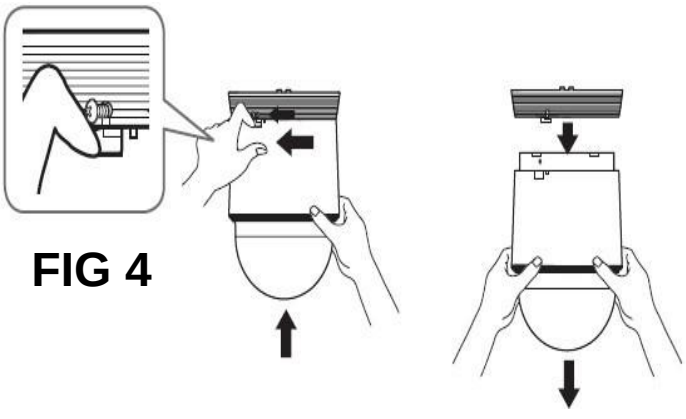


FIG 4

•Mount the PTZ camera base to the support plate camera bracket using the four (4) provided screws. Please refer to **FIG 5**

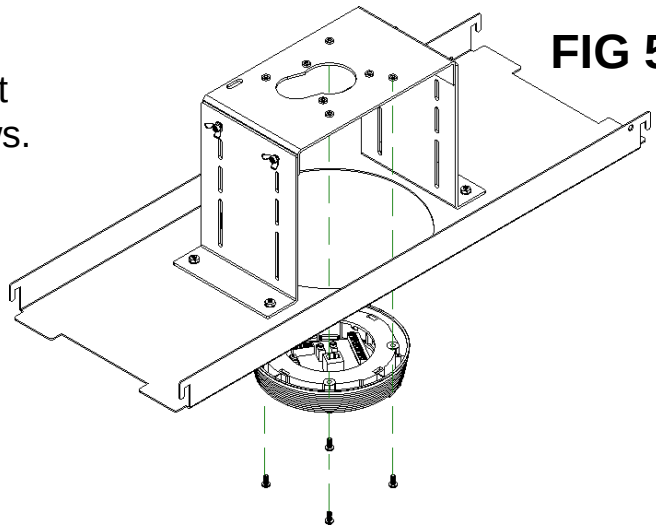


FIG 5

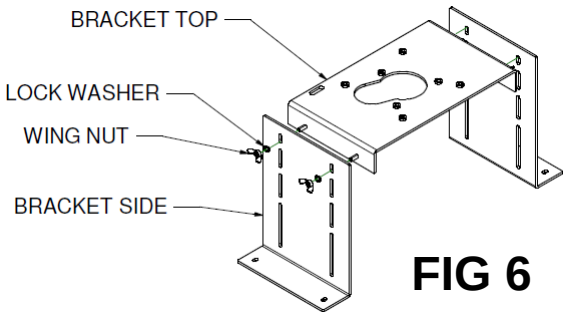


FIG 6

Note: Support plate assembly comes pre-assembled, if the height needs adjustment, please refer to **FIG 6**

•Mount the PTZ camera unit to the camera base; make sure to hook the safety cable located in the PTZ base to the PTZ camera before proceeding.

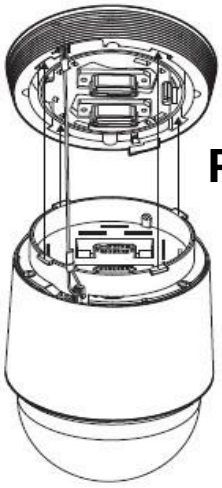


FIG 7

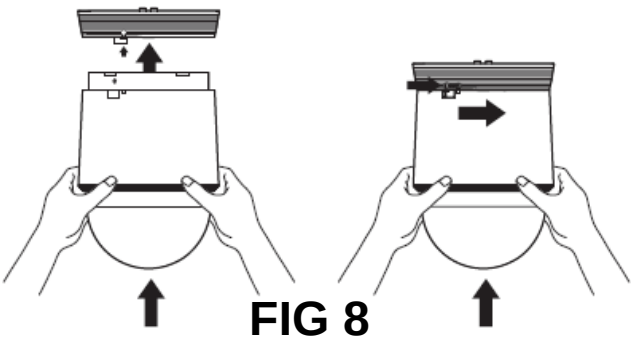


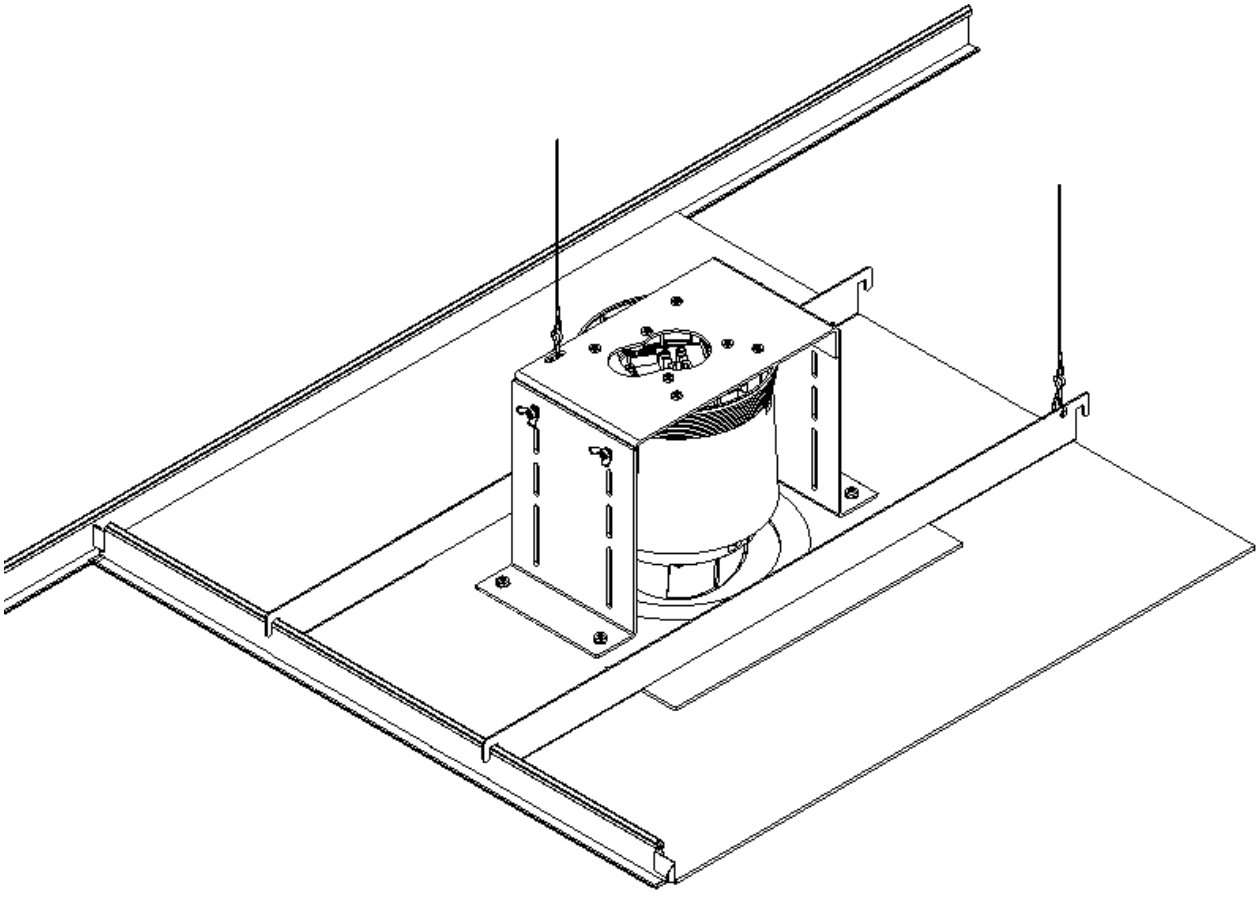
FIG 8

•Push up the camera unit and rotate it clockwise unit it cannot rotate any more, as shown in **FIG 8**. After rotation, fasten the screw on the camera base.

INT-6230-CEILING-TILE-8

Assembly Contents and Installation Steps

•Place the ceiling tile support plate assembly on top of the ceiling tile and allow the hook portion of the support plate to rest on the support grid.

•Secure the complete assembly to the building structure by using the tether attached to the ceiling structure to the ceiling tile support plate assembly.

•Route the AP network cable through the hole on the camera mount and make all necessary cable connections to the Hanwha QNP-6230 camera.