2M TECHNOLOGY
Designed for Life

RECOMMENDED PRODUCTS 2019-2020

www.2MTechnology.net

AN AMERICAN COMPANY
USA
TEXAS, USA

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About 2M Technology

2M Technology Inc. is a leading provider of complete end-to-end low voltage Audio Video solutions to homeland security, institutional and commercial market segments. The company offers a full suite of integrated intrusion, video and audio security solutions.

Who We Are

2M Technology was founded in 2004 to fill a need for quality low voltage security products available locally for our vendors at a competitive price. At 2M our ability to rapidly and effectively meet the needs of customers and deploy through partners any size project is the key to our growth. 2M Technology has a team of low voltage professionals who are specialized in supporting security, network and audio integrators in their design and decision of products. From small a small business needing a simple camera, to major corporations requiring a complete video security solution, consisting of unlimited number of cameras and a full range of industry leading security products. All 2M Technology product designs are based on years of research and advanced engineering technology. We provide technical support during normal business hours and a comprehensive 2 year product warranty. We hope to go beyond your expectations.

We are based in Grand Prairie, Texas just minutes from the Dallas Cowboys Stadium.

Essential Series

Long Distance PoE

Even though the camera's location is a hundred meters away from an NVR, users can still easily connect the camera directly to the NVR for both power supply and video streaming. The Essential Series NVRs support up to 250m for PoE.

Easy to use and Maintain

Essential series IP cameras support one-click firmware upgraded via cloud, and plug & play for installers as well as end users for easy use. While troubleshooting, it is also easy to output diagnosis in one-click. Essential series IP cameras can also detect the network connection regularly. Once the network detects a network loss, the IP camera will reset the network module inside of the IP camera or reset the camera to recover.

UBS Storage System

UBS is technology for storage. Traditional NVR manufacturers use a general file system which is not optimized for video storage application. By operating directly on HDD to improve I/O efficiency and using a small block as the minimum unit, UBS technology can reduce the risk of data loss in case of a system malfunction. The UBS storage system also supports disk roaming and precise playback which makes surveillance business much easier.

Updated U-code Technology

U-code is a deep video compression technology which can reduce up to 90% bitrate in order to save bandwidth and storage space. U-code technology separates moving targets and static backgrounds with different codec and adjusts the GOP dynamically, as well as keeping excellent image quality. U-code supports all triple streams of IP camera, and change frame rate dynamically by video content to reduce more bitrate.

Reliability at Design and Tests

Our products are manufactured with quality parts and reliability in mind. During the research and development phase to production, 2M Technology is dedicated to the pursuit of the highest standards in the CCTV industry. All sensor boards in our cameras are 2mm thick to avoid defocus by deformation when in extreme harsh environments.

MOTORIZED LENS · VANDAL PROOF · IP67 WEATHER PROOF

2MVIP-4MIR30Z-E

4MP Vandal-resistant (IK10) Network Motorized Dome Camera w/30m IR & Rated for IP67 w/ 2.8-12mm Lens

MOTORIZED LENS · IP67 WEATHER PROOF

2MBIP-4MIR30Z-E*

4MP Network Motorized Bullet Camera w/30m IR & Rated for IP67 2.8-12mm Lens

FIXED LENS · AUDIO INPUT · IP67 WEATHER PROOF

2MBIP-5MIR30-E

5MP Mini Fixed Bullet Network Camera w/30m IR & Rated for IP67. 4mm, Fixed Lens

FIXED LENS · VANDAL PROOF · IP67 WEATHER PROOF

2MVIP-4MIR30-E

4MP Vandal-resistant (IK10) Network Fixed Dome Camera w/30m IR. 2.8mm, Fixed Lens

FIXED LENS · IP67 WEATHER PROOF

2MTIP-4MIR30-E

4MP Network Turret Fixed Lens Camera Rated for IP67 2.8mm Lens

2MN-8004-P4-E

4ch 1-SATA 4 POE Ultra 265/H.265/H.264 Network Video Recorder (NVR)

2MVIP-5MIR30-E

5MP Vandal-resistant (IK10) Network Fixed Dome Camera w/30m IR. 2.8mm, Fixed Lens

2MTIP-5MIR30-E

5MP Fixed Network Turret Camera w/30m IR & Rated for IP67 2.8mm Fixed Wide Angle Lens

2MN-8008-P8-E

8ch 1-SATA 8 POE Ultra265/H.265/H.264 Network Video Recorder (NVR)

Professional Series

Smart Functions

The Professional Series features cameras which have embedded smart functions.
For instance,crossing line, intrusion, face detection, audio exception, scene change, tampering,defocus, people counting, object abandon/removal and auto-tracking. Now, people-counting function is upgraded by counting people's faces in the video.

Starview Series

StarView series can produce crystal clear video at up to 0.0005 lux low illumination, which redefined starlight. It supports 2MP and 5MP and backside illumination (BSI)sensor applies a big Iris lens at up to F1.2 to allow more light in. Meanwhile, the unique ISP technology can help to produce no smearing images at Low-Blur mode.

Deep Learning Intelligence

The NVRs in Professional series can provide accurate and real-time face comparison when used with Smart Bar which is powered by deep learning neural network algorithm.
It is suitable for personnel identification application in different scenarios like buildings,communities, parks, chain stores, gas stations, supermarkets, etc.

Environmental Adaptability

Environment adaptability includes network adaptability for packet loss, image adaptability for different surveillance scenes (Starlight mode for low light, auto WDR/HLC/Defog, and Smart IR) and environment adaptability (auto heating at low temperature and snow removal).

More Efficient More Reliable

Professional series IP cameras support wide working temperature range and input voltage. In the IK10 dome cameras, the professional FFC cable can deliver a better EMC test result. Image distortion rectifying algorithm is used for all wide angle lens at wide side. Professional series NVRs are perfect for supermarkets and shopping malls, for example, POS, Heat Map, Fisheyes to facilitate different businesses. N+1 architecture was introduced to guarantee the stability of storage service in case of system failure.

◊ *All Professional Series Cameras have Ultra WDR 120db and Video Analytics*

4K RESOLUTION · MOTORIZED LENS · AUDIO INPUT · VANDAL PROOF

2MBIP-4KIR50ZUA-P

4K Network Motorized Bullet Camera w/30m IR & Rated for IP67 w/ 2.8-12mm Lens

2MBIP-4MIR30ZUA-P

4MP Network Motorized Bullet Camera w/30m IR & Rated for IP67 2.8-12mm Lens

STARVIEW · MOTORIZED LENS · AUDIO INPUT · IP67 WEATHER PROOF

2MBIP-5MIR50ZUAST-P

5MP **Starview** Network Motorized Bullet Camera w/50m IR & Rated IP67. 2.8-12mm Lens

FIXED LENS · IP67 WEATHER PROOF

2MBIP-2MIR30-P

2MP Fixed Bullet Network Camera
w/30m IR & Rated IP67
4.0mm fixed lens

2MBIP-4MIR30U-P

4MP Network IR Bullet Camera
w/30m IR & Rated for IP67
4.0mm fixed lens

STARLIGHT · FIXED LENS · IP67 WEATHER PROOF

2MBIP-5MIR30UASL-P

5MP **Starlight** Fixed Bullet Network
Camera w?30m IR & Rated IP67
4.0mm fixed lens

MOTORIZED LENS · VANDAL PROOF · IP67 WEATHER PROOF

2MVIP-4MIR30ZUA-P

4MP Vandal-resistant (IK10) Motorized Network
Dome Camera w/30m LED IR & Rated for IP67.
2.8-12mm Lens

OPTICAL ZOOM · AUDIO INPUT · IP66 WEATHER PROOF

2MPIP-2MIR15030XUA-P

2MP Network PTZ Camera
150m LED IR, Rated for IP66.
4.5 ~ 135mm 30X optical zoom

MOTORIZED LENS · VANDAL PROOF · AUDIO INPUT · IP66 WEATHER PROOF

2MFIP-4MIR10UA-P

4MP Vandal-resistant (IK10) Fixed Lens
Fisheye Camera w/10m LED IR &
1.6mm fixed lens

FIXED LENS · STARLIGHT · AUDIO INPUT · IP67 WEATHER PROOF

2MTIP-5MIR30UASL-P

5MP **Starlight** Network Fixed Turret Camera
w/30m LED IR & Fixed 2.8mm lens. IP67

2MTIP-2MIR30U-P

2MP Network IR Fixed Lens Turret Camera
w/30m LED IR & Fixed 2.8mm lens. IP67

◊ *All Professional Series Cameras have Ultra WDR 120db and Video Analytics*

2MN-8232-P16-P

32 Channel 16 POE Network Video Recorder. Various fisheye dewarping modes. 4 SATA capacity.

2MN-8116-P16-P

16 Channel 16 POE Video Recorder. Up to 12 Megapixels resolution recording. 2 SATA capacity.

MOTORIZED LENS | STARLIGHT | AUDIO INPUT | IP67 WEATHER PROOF

2MTIP-2MIR30ZUAST-P

2MP **Starlight** Network Motorized Turret Camera w/30m LED IR & 2.7-13.5mm Motorized lens. Rated IP67

2MTIP-5MIR30ZUASL-P

5MP **Starlight** Network Motorized Turret Camera w/30m LED IR & 2.8-12mm lens. Rated IP67. *(with Mic)*

2MN-8004AR-P4-P

4 Channel 4 POE Network Video Recorder. Audio & Alarm Input. 1 SATA capacity.

2MN-8008AR-P8-P

8 Channel 8 POE Network Video Recorder. Audio & Alarm Input. 1 SATA capacity.

2MN-8464-P

64 Channel Network Video Recorder. HDD hot swap with RAID 1, VCA detection alarm. Up to 12 Megapixels resolution recording. 8 SATA capacity.

Corporate Series

4K Series

4K series delivers box cameras, 4X bullet and dome cameras, and 22X PTZ dome camera products at 30fps. High resolution has more surveillance range and is easy to zoom in by digital zoom to get more details. As we all know, 4K 30fps generates high bitrate, bandwidth, and also drives the storage cost higher.2M Technology's U-code deep video compression technology can perfectly solve the problem by reducing up to 90% bitrate.

Starview + Series

StarView+ series applies Sony 1/1.8'' big size sensor and big iris lens to support high end starlight mode. It includes box cameras, 22X bullet cameras, 22X/38X PTZ dome cameras, and 4X varifocal bullet and dome cameras. Starview+ series is more popular for some projects, like the airport, highway, or safe city application.

Top Level Performance

Corporate Series NVRs supports independent video output and decoding cards to extend decoding ability. The decoding card supports the video wall function for both display and split application. Dedicated mini SAS interfaces is used to connect disk enclosure, hence the storage capacity can be doubled, even tripled. Master-slave architecture helps to extend system bandwidth to meet different requirements.

4K RESOLUTION · FIXED LENS · AUDIO INPUT

2MSIP-4KUA-C

4K Ultra-HD & Ultra WDR SFP Network Box Camera w/Audio Input. Lens Sold Separately

4K RESOLUTION · MOTORIZED LENS · AUDIO INPUT

2MBIP-4KIR1004XZUA-C

8MP 4K WDR Ultra-HD Varifocal Bullet Network Camera. Audio Input, 100m IR Range, IP67. 2.8-12mm Motorized Lens & 4X Optical Zoom

2MN-8564-C

64 Channel Network Video Recorder. 16 SATA, 3U, Up to 14 HDMI output (optional), 2 mini SAS ports

2MN-85128-C

128 Channel Network Video Recorder. 6 SATA, 3U, Up to 14 HDMI output (optional), 2 mini SAS ports

2MN-852000-C

2M Video 2000 Channel Management Station. Connects to NVRs or IP Cameras. 16 SATA Capacity & 1eSATA.

4K RESOLUTION · FIXED LENS · AUDIO INPUT · VANDAL PROOF · IP66 WEATHER PROOF

2MFIP-4KIR10UA-C

4K Ultra HD 12MP Vandal-resistant Fisheye Fixed Dome Camera w/Audio Input, 360° view, Ultra WDR,Supports Audio. 1.8mm Fixed Lens.

4K RESOLUTION · OPTICAL ZOOM · AUDIO INPUT · IP66 WEATHER PROOF

2MPIP-4KIR25022XA-C

4K Ultra-HD Network IR PTZ Dome Camera w/Audio Input, 250m IR & 22x Optical Zoom & 6.5 ~ 143mm Lens. Rated IP66.

Analog

4IN1 FOUR-IN-ONE CAMERA · MOTORIZED LENS · IP54 WEATHER PROOF

2MDT-2MIR30Z

2MP 4-in-1 Dome Camera. 30m IR LED 30IR Range. 2.8-12mm Motorized Lens

2MDT-5MIR30Z

5MP 4-in-1 Dome Camera. 30m IR LED 30IR Range. 2.8-12mm Motorized Lens

4IN1 FOUR-IN-ONE CAMERA · VARIFOCAL LENS · 4K RESOLUTION · IP54 WEATHER PROOF

2MDT-4KIR30V◊

4K 8MP 4-in-1 Dome Camera. 30m IR LED 30IR Range. 2.8-12mm Varifocal Lens

4IN1 FOUR-IN-ONE CAMERA · MOTORIZED LENS · VANDAL PROOF · IP66 WEATHER PROOF

2MVT-2MIR30Z

2MP 4-in-1 Vandal-proof Dome Camera. 30m IR LED & Rated IP66. 2.8-12mm Motorized Lens

2MVT-5MIR30Z

5MP 4-in-1 Vandal-proof Dome Camera. 30m IR LED & Rated IP66. 2.8-12mm Motorized Lens

4IN1 FOUR-IN-ONE CAMERA · MOTORIZED LENS · VANDAL PROOF · IP66 WEATHER PROOF

2MVT-4KIR30Z◊

8MP 4K 4-in-1 Vandal-proof Dome Camera. 30m IR LED & Rated IP66. 2.8-12mm Motorized Lens

4IN1 FOUR-IN-ONE CAMERA · MOTORIZED LENS · IP66 WEATHER PROOF

2MBT-2MIR40Z

2MP 4-in-1 Motorized Bullet Camera. 42 IR LED & Rated IP66. 2.8-12mm Motorized Lens.

2MBT-5MIR40Z

5MP 4-in-1 Motorized Bullet Camera. 42 IR LED & Rated IP66. 2.8-12mm Motorized Lens.

4K RESOLUTION · VARIFOCAL LENS · IP66 WEATHER PROOF

2MBT-4KIR30V◊

8MP 4K 4-in-1 Bullet Camera. 42 IR LED & Rated IP66. 2.8-12mm Varifocal Lens.

◊ *Available 2nd Quarter 2020*

Matrix IR Turret

1080P FULLHD · FIXED LENS · IP66 WEATHER PROOF

2MTT-2MIR20

2MP 1080p Fixed Indoor/Outdoor Turret Camera. 2.8mm fixed lens.

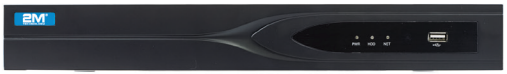
2MTT-5MIR20

5MP 1080p Fixed Lens Ultra HD Turret Camera. 2.8mm fixed lens.

4K RESOLUTION · FIXED LENS · IP66 WEATHER PROOF

2MTT-4KIR20

8MP 4K 360 Turret Camera. 2.8mm fixed lens.



2MP All-in-One (TVI, CVI, AHD, IP, CVBS) DVRs

2MT-7004

4 Channel 5- in-1 Digital Video Recorder 1080P. 1 SATA capacity.

2MT-7008

8 Channel Digital Video Recorder 1080P. 1 SATA capacity.

2MT-7116

16 Channel Digital Video Recorder 1080P. 2 SATA capacity.

5MP All-in-One (TVI, CVI, AHD, IP, CVBS) DVRs

2MT-5004

4 Channel 5-in- 1 (TVI-AHD-CVI-CVBS-IP) Digital Video Recorder. 1 SATA capacity.

2MT-5008

8 Channel 5-in-1 (TVI-AHD-CVI-CVBS-IP) Digital Video Recorder. 1 SATA capacity.

2MT-5116

16 Channel 5-in-1 (TVI-AHD-CVI-CVBS-IP) Digital Video Recorder. 2 SATA capacity.

Analog PTZ

HD Pan Tilt Zoom Cameras

Our high definition HD PTZ (Pan-tilt-zoom) security cameras offer zoom, tilt, and pan features that enable you to focus on and track moving objects for video observation at high definition. Security patrol guards cannot operate without having a pan tilt zoom camera, observing large real estate coverage instantly. Providing users affordable and technical option with less manpower. The new pan tilt zoom cameras 2M Technology offers are equipped with highest video resolution technology best zoom in lens offering excellent clarity.

2MPT-2MIR8010X

- 10x optical zoom, 5.1-51mm,1080P
- 1/2.8" CMOS sensor
- Night vision IR 80 meters
- Easy to switch to AHD/HD-CVI/HD TVI/CVBS signal
- Support UTC control
- Motorized Pan/Tilt, pan range: 250°
- IP66, DC12V 2A, -30°C-+60°C

2MPT-2MIR8018X

4IN1 FOUR-IN-ONE CAMERA · HD HIGH DEFINITION · OPTICAL ZOOM · VANDAL PROOF · IP66 WEATHER PROOF

- 18X Zoom 5.35-96.3mm lens
- 4-in1 signal IR PTZ
- Resolution: 2MP
- Durability: Indoor, Outdoor Weather Proof, Vandal Resistant
- IP Rating: IP66
- Lens Type: Varifocal
- IR (up to 80 meters)

2MPT-2MIR10032X

4IN1 FOUR-IN-ONE CAMERA · HD HIGH DEFINITION · VARIFOCAL LENS · OPTICAL ZOOM · IP66 WEATHER PROOF

- 2MP IR PTZ 4-in-1
- 4.5'' Medium Speed
- 32X Zoom 5.35-96.3mm
- Range – Pan 360° Tilt 90°
- Speed – Pan: 0~60°/s , Tilt:0~45°/s
- IR Range 80-100m
- 6pcs IR Array
- Outdoor PTZ, IP66
- 220 Preset Points, A-B scan, 3 group Guarding Tours

Now Available

Digital Video Recorder All-in-One (TVI, CVI, AHD, IP)

2MT-4004

4 Channel 4-in-1 (TVI-AHD-CVI-CVBS)
Digital Video Recorder. 1 CH Face Detection or 4 CH Intrusion Detection. Audio output. 1 SATA Capacity.

2MT-4008

8 Channel 4-in-1 (TVI-AHD-CVI-CVBS)
Digital Video Recorder. 1 CH Face Detection or 4 CH Intrusion Detection. Audio output. 1 SATA Capacity.

Environment

Many analog cameras use a CCD image sensor which has less grainy images at low light. The majority of analog surveillance cameras also include in-built IR (infrared) that allows the camera to record images even in complete darkness. Fluorescent lighting used in many indoor spaces can create problem such as inaccurate color information and constant flickering on live and recorded video images. This problem can also affect some standard analogue CCTV cameras with CCD image sensors.

Analog vs IP

Analog products are at this point in time are still less expensive than their IP counterparts. NVRs can be twice as expensive as a DVR. The installation of an analog surveillance system can also be less expensive because they are quicker to install with minimal network set-up and configuration. Since an analog system is not attached to the business or home network it will not be at the mercy of network issues.

IP Accessories

2MSIP
Pro Series

Indoor
wall mount

2MIWM-U

Indoor installation:
Wall /Pendent mount

2MIWPM-U

Indoor
installation

2M-H12

2M-PM
Pendent mount

Outdoor installation
(-20 ℃~60 ℃)

2M-19

2M-WM
Wall mount

2M-SM06
Corridor mode
installation

2M-17

2MPM-PIP
Pole mount

Outdoor installation
(-40 ℃~60 ℃)

Outdoor installation
Built-in IR LED

2M-12-IR

2M-HPM
Horizontal Pole mount

2M Pro series

Outdoor mount:
Including junction box

Indoor mount:
Excluding junction box

Junction box

2MIB-MVDIP

NPT ¾" plastic
Waterproof joint

Optional

2MWPJ3/4-U

Outdoor
wall mount

2MWMJB-30ZP

Outdoor
wall mount

Extra back outlet for cable
(Covered with black foam)
2MWMJB-30ZP-A

Indoor
Wall mount

2MWM-30ZP

Pole
mount

2MPM-PIP

In-ceiling
mount

2M-FDCM

Indoor
pendent mount

2MPMP-MVDIP

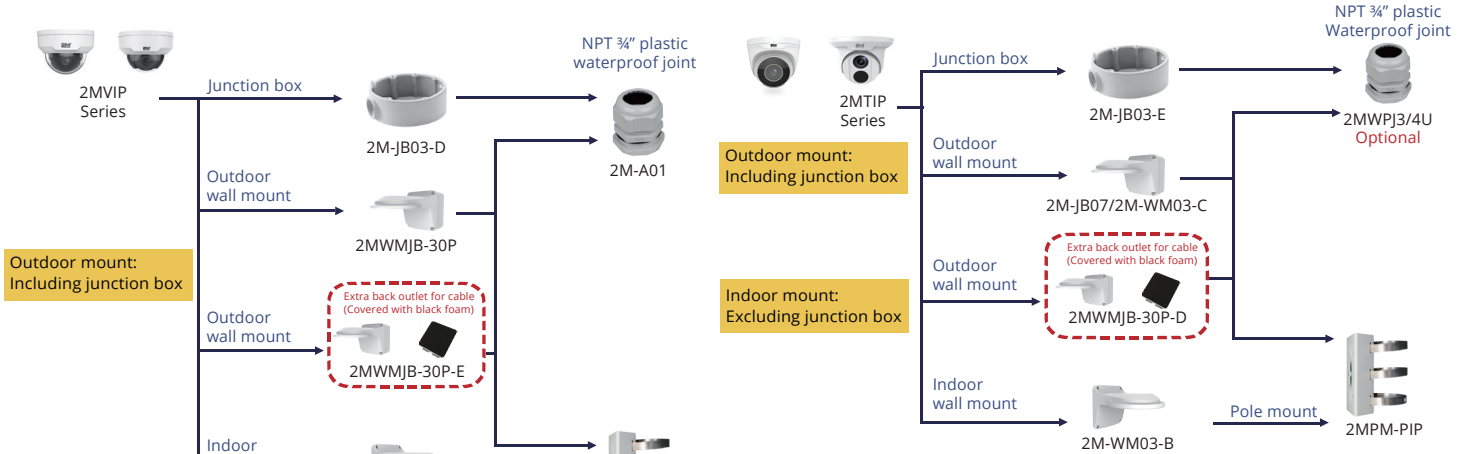
2MPM45-U

Electric box
adaptor

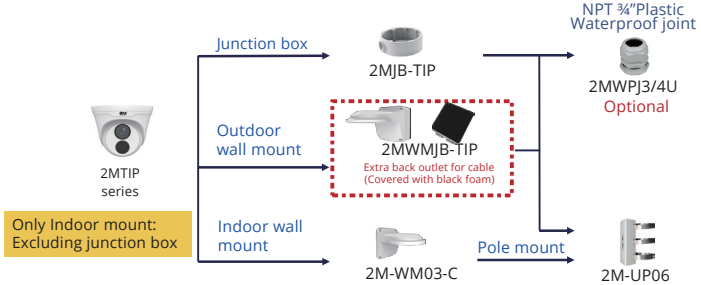
2M-SM04

IP Accessories

Fixed Dome Camera Mount



Fixed Turret Camera Mount



Mini Dome Camera Mount

Junction box → 2M-JB03-D → 2MWPJ3/4U (NPT ¾" plastic waterproof joint) — Optional

Tilted mounting → 2M-UM06-E

Fisheye Camera Mount

8MP fisheye

Junction box → 2MJB-MVDIP-B → 2MWPJ3/4U (NPT ¾"Plastic Waterproof joint) — Optional

Indoor pendent mount → 2M-UF45-F → 2M-CE45

4MP fisheye

Junction box → 2M-JB03-E → 2MWPJ3/4U (NPT ¾" Plastic Waterproof joint) — Optional

Indoor pendent mount → 2M-UF45-I → 2M-CE45

Bullet Camera Mount

2MBIP

LPR 2MBIP-XX

2MBIP-XX

Pole mount → 2MPM-PIP-B

Junction box → 2M-JB07-B → 2MWPJ3/4U (NPT ¾" plastic waterproof joint) — Optional

Junction box → 2M-JB07-C (Extra back outlet for cable (Covered with black foam)) → Pole mount → 2MPM-PIP (Recommended side outlet for cable)

2MBIP-XX

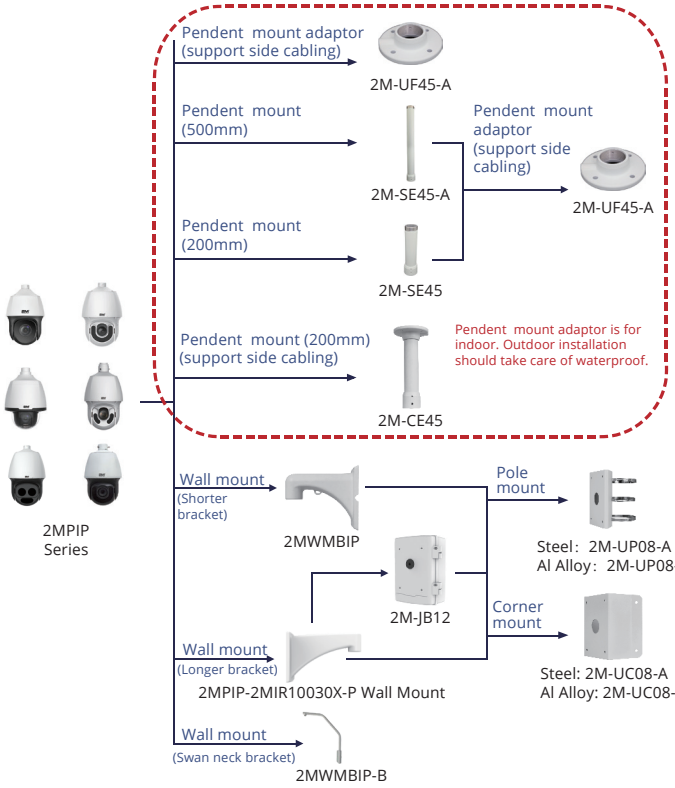
Pole mount → 2MPM-PIP-B (Recommended side outlet for cable)

Junction box → 2M-JB05 (Extra back outlet for cable (Covered with black foam)) → 2MWPJ3/4U (NPT ¾" plastic waterproof joint) — Optional

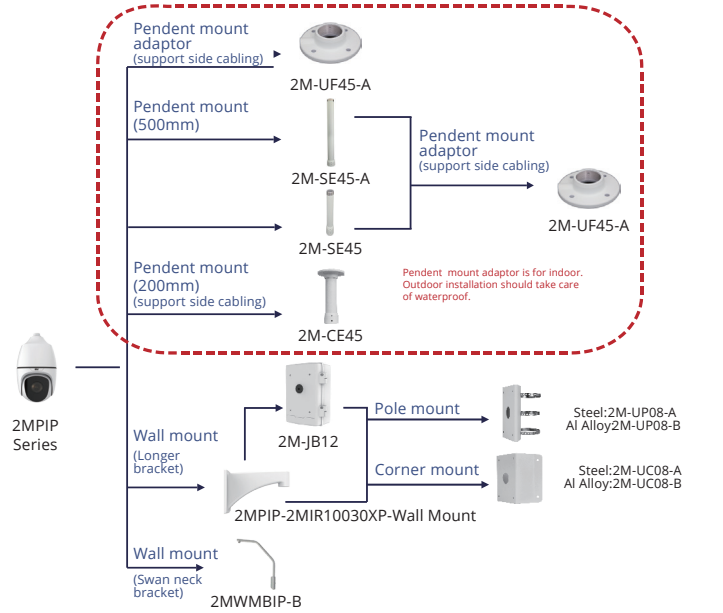
2MBIP-XX

Junction box → 2MJB-FBIP

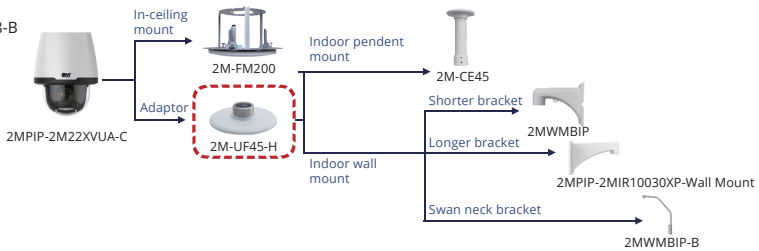
Outdoor PTZ Dome Camera Mount



Outdoor PTZ Dome Camera Mount



Outdoor PTZ Camera Mount



Fixed Dome Camera Mount

2M-JB03-E
Junction Box

2M-WM03-B
Indoor Wall Mount

2MPM-PIP
Pole Mount

2M-JB07-C
Outdoor Wall Mount

2M-WM03-C
Outdoor Wall Mount

PoE Switches

2M-SW-04TP
4-port unmanaged PoE Switch
10/100/1000M POE+

2M-SW-08TP
8-port unmanaged PoE Switch
10/100/1000Base-TX,
2 Gigabyte Uplinks

2M-SW-16TP
16-port unmanaged PoE Switch
10/100Base-TX, 1GB Combo and
1 GB RJ-45 POE.

Network Cable

2M-CAT5E
CAT5e Cable

2M-CAT6E
CAT6 Cable

Bullet Camera Mount

2M-JB07-B
Junction Box

Analog Accessories

2M-12V1810

12VDC 10Amp 18-Port
Power Distribution Box

2M-12V95

12VDC 5Amp 9-Port
Power Distribution Box

2M-PLC-M

BNC Twist-On Connector. RCA Female to BNC Male Adapter

2M-PLC-F

Female Flying Power Cable.
Connects Coaxial Siamese Cable to Your Surveillance Cameras

2M-PLC-M

Male Flying Power Cable.
Connects Coaxial Siamese Cable to your surveillance cameras

2M-202B

L TYPE Video Balun Passive

2M-B313C

1 Channel passive hybrid HD video balun (CVI,TVI,AHD,CVBS)

2M-HDMI 10FT

HDMI cable 10FT 30AWG BC 6.0MM PVC

2M-GL01

Video Ground Loop Isolator

2M-P102

2 Way DC Power Lead

2M-P108

8 Way DC Power Lead

Siamese-1000FT

Siamese Cable 1000ft (Black)

Siamese-500FT

Siamese 500ft (Black)

2M-PH5AB

Input:110~240V; Output: DC12V 5A, with AC Cable

2M-P104

4 Way DC Power Lead

2M-PH1A

Input:110~240V; Output: DC12V 1A

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