i-view
Secure your world in ours

Speed Dome IR Network Camera
FDMO-2MIP-20XIR

1080P, ONVIF, 20X, Auto tracking, 150 Meter IR, IP66, Smart IR LED, -40°C ~ 70°C, PoE Plus

Overview

I- View FDMO-2MIP-20XIR is the newest PTZ IP camera, offering 1080P (1920*1080) Full HD resolution with magnificent image quality. A doping a 20X optical zoom lens will not loss any details with top-notch quality. The IP66 and metal housing protects the camera against rain, dust, and rust within a wide temper a true range of between -35°C to 60°C.

The FDMO-2MIP-20XIR supports high-performance H.264 and MJPEG compression technology with extremely smooth video quality with resolution up to 30 FPS @ 1080P. With expertise pan/tilt/zoom mechanism, the camera offers fast, precise movement with continuous 360° pan and 220° tilt. It's easily for any user s to control lens position through mouse or joystick to track interesting object and set up to 256 preset areas f or patrolling. With the built-in auto tracking feature to provide immediately detect to suspicious moving objects in wide open areas before operator s are aware of activity.

The FDMO-2MIP-20XIR built-in 150 meters viewing distance LED illuminators will not loss any details with top-notch quality 24 hour s a day. With those features, the FDMO-2MIP-20XIR is the best choice f or the most demanding.

Features

- Onvif compliant.
- 30 FPS @ 1080p Full HD.
- 20X Optical/ 12X Digital zoom Lens.
- Pan 0.01~360°/Sec, Tilt 0.01~120°/Sec. preset speed.
- 8 cruising tracks, each cruising track has 32 presets.
- 4 pattern tours with 500 programmable instructions.
- 8 auto scan with user-defined boundaries position.
- Removable IR-cut filter for Day & Night function.
- Auto recording video into SD card when Network failed.
- Video and interval recording on SD card or FTP server.
- H.264 /MJPEG multiple simultaneous streams.
- Free bundle 64-Channel NVR and CMS software.
- On-camera motion detection and privacy mask.
- Run action (Preset/Tour/Pattern/Scan) schedule via user-defined.
- Intelligent objection tracking for efficiency surveillance.
- Smart to adjust the IR LED light across the entire area to get a well illuminated image.
- Built-in 8 pieces High power VCSEL IR Illuminators, effective up to 150 meters.
- IP 66 Weather-proof rated Housing.
- Pixel Counter for Image Clarity Measurement.
- Wide operation temperature (-35°C ~ 60°C) rage.
- Support wiper for clean the rain and dust.
- Built-in 802.3at Compliant PoE Plus. (Option).
- ROI (Region of Interest) encoding is used to enhance the quality of images which are specified in advance.
- Ultra Low Compress Rate (ULCR) technology: LESS storage space, SAME video quality.

Accessory

BWO-140S
Wall Mount Bracket

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Specification

Camera	
Image Sensor	1/2.8" SONY Exmor™ CMOS sensor
Min Illum	Less than 1.7 lx (F1.6, 50 IRE), 0.5 lx in High Sensitivity Mode, 0 Lux. with IR ON
WDR	Auto/Manual
S/N Ratio	≥ 50dB
Focal Length	20x Optical zoom (f=4.7 ~ 94.0 mm/ F1.6 to F3.5) 54.1° (Wide) to 2.9° (Tele end); 12x Digital zoom
Focal Length	2Vp-p audio in; 30mw audio output with 600Ω impedance.

Pan/Tilt	
Pan / Tilt Angle	360° continuous pan rotation/ 90°(Auto Flip)
Pan / Tilt Speed	Pan 0.01°~180°, Tilt 0.01°~100° (High speed) Pan 0.5°~35°/S, Tilt: 0.5°~35°/S (Vair-speed)
Preset Speed	360 °/S (high speed) / 35°/S (Vari-speed)
Presets Number	220 / +/-0.1°
Guard Location	The dome will rotate back to preset position after a period of vacant time.
Auto Scan	8 auto scan tracks, user-defined left and right boundaries and scan speed
Auto Cruising	8 cruising tracks, each cruising tracks has 16 preset positions, User-defined dwell time
Pattern Tour	4 groups, each one with 500 programmable instructions
Park Action	Preset / Tour / Pattern / Scan
Position Display	ON/OFF
Freeze Frame	Yes
Smart-tracking	Yes

Infrared	
Distance	8 pieces High power VCSEL IR Illuminators, effective up to 150 meters
Angle:	Adjustable by zoom

Alarm	
Alarm Input	1 Inputs
Alarm Output	1 channel relay output, with configurable alarm actions
Alarm Actions	Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client

Input & Output	
Composite Output:	1.0Vp-p / 75Ω, composite, BNC
Audio Input	Line input: 2Vp-p; output impedance: 600Ω
Audio Output	Line level, impedance: 600Ω

Network	
Ethernet:	10Base -T, /100Base-TX, RJ45 Connector
Resolution	1920×1080

Frame Rate	50Hz: 25 fps (1920×1080); 30fps (320x288) 60Hz: 30 fps (1920×1080), 30 fps (320x240)
Compression	H.264 Baseline/Main/High profile; MJPEG
ROI encoding	Support 5% areas of image
Sim. Users	Up to 8 users
Auido Compres.	G.711uLaw/G.711aLaw
Protocols	HTTP, HTTPS, TCP/ IP, IPv4, IPv6, PPPoE, UDP, SMTP, FTP, QoS, DHCP, DDNS, NTP, DNS, SNMP, RTSP, RTP/RTCP, Bonjour, UPnP, IGMP, 802.1X
Micro SD Card	SD/SDHC Slot, up to 64GB Edge recording
User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and Media User
Security	User authentication (ID and PW), IP address filtering

Client GUI	
Camera Control	Audio in x1; Audio out x1; DC power in, RJ-45
Web Browser	Alarm out; Sensor in x1; Video out, Reset.

General	
Language	English / Chinese
Protocols	Auto Compatible PELCO_P, PELCO_D
Power Supply	12/5A VDC: 36W Maximum when IR LED on. High power POE (Optional)
Operation	Temperature: -40o~ +60oC; Humidity: 0~90%
Protection Level	IP66 standard (outdoor dome) TVS 4,000V lightning protection, surge protection and voltage transient protection
Mounting:	Wall Mount/Ceiling mount optional
Dimensions	Φ220×304mm
Weight	5Kg
Mount Option	Long-arm wall mount, Corner mount, Pole Mount, Power box mount

Certificated	
	CE, FCC, RoHS, IP66, Ik10

Diagram