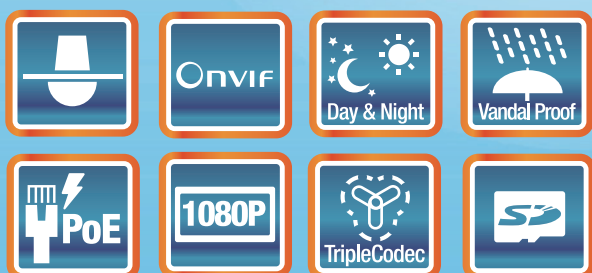




# Clebo MPTFM

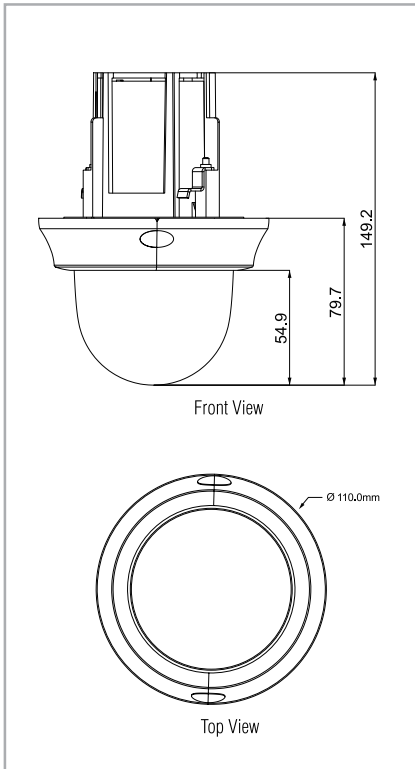
## 2.0M HD IP DROP CEILING PTD CAMERA

Real-time High Definition Dome Camera  
Triple codec, Simultaneous Multi Streaming  
Independent Camera Setup  
Local SD Card Backup  
POE (Power over Ethernet)  
Bidirectional Audio



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## Demension



## Specification

Clebo MPTFM	
<b>VIDEO</b>	
Image Sensor	1/2.8 Sony 'Exmor' CMOS
Total Pixels	2000(H)X1241(V)
Effective Pixels	1920(H)X1080(V)
Resolution	1080p (2.1 Megapixels)
Scanning System	Progressive
Minimum Illumination @ 30IRE	Color : 2.4 Lux @ F1.6, 30 IREB/W : 0.5 Lux @ F1.6, 30 IRE
Minimum Illumination @ 50IRE	Color : 4.0 Lux @ F1.6, 50 IREB/W : 0.8 Lux @ F1.6, 50 IRE
IR LED & Range	N/A
LED Saturation	OK
S/N Ratio	More than 50 dB
Video Output	N/A
<b>LENS</b>	
Focal Length	4 mm fixed
Max. Aperture Ratio	F2.0 fixed
Zoom	12x Digital
Focus Control	Manual
Lens Type	Manual Fixed
Mount Type	M12
Angle of View	H: 86°
Adjustment Range	Pan: 0°~355°, Tilt: 0°~90°, Rotate: 0°~350°
Pan / Tilt Speed	Preset : 120°/ sec , Manual : MAX 120°/sec
Preset	255
Pattern	N/A
Group	8
Scan	8
<b>Camera Features</b>	
Wide Dynamic Range	True WDR
Dynamic Range dBs	100dB
Day / Night	True Day/Night (ICR), Color, B/W, External
Backlight Compensation	Off / BLC / HLC / WDR
Digital Noise Reduction	Low/Middle/High
Digital Slow Shutter	Off / 2x ~ 8x
White Balance	Auto, Auto-Ext. Indoor, Outdoor, Manual, One-Push*set-up*Mode
Auto White Balance Range	2,000 ~ 11,000K
Shutter Speed	1/30~1/60,000 sec.
Auto Gain Control	0dB ~ 41dB
Privacy Masking	16 Zones
Mirror / Flip	On / OFF
Defog	On / OFF
<b>Network</b>	
Video Compression Type	H.264 Profiles: High, main, Base MJPEGMpeg4: Simple profile
Streaming Capability	2 Profiles
Streaming Mode	Unicast / Multicast
Max. User Access	up to 6 users at Unicast Mode
Video Quality Adjustment	H.264: Quality, CBR(Bitrate Mode/Target Bitrate) MJPEG: Image Treaster
Audio Streaming	Two-Way, Full Duplex
Audio Compression	G711 PCM, μ-law 64kbps 8kHz
Audio In / Out	Mic / Lin In, Line Out
Audio Control	Input Gain, Output Volume
Alarm In / Out	Digital 1 / 1
Alarm Triggers	Off, Always, Activation Schedule
Alarm Action	Notification via Email or Onvif or RTP metadata
Local Storage	Support "Network Loss Emergency Recording" and "Remote Backup" per schedule
( Micro SD / MicroSDHC up to 32GB class10 )	(Continuous, Motion, sensor), Pre/ motion post/ Sensor post alarm recording(5sec.)
Supported Protocols	IPv4/IPv6, TCP/IP, RTP Multicast, HTTP, DHCP, PPPoE, ICMP, ARP, RARP, RTSP, NTP, SNMP, SMTP, FTP, UPnP, DNS, DDNS
Secutiry	HTTP Login Authentication (unique or public certificate), IP Address Filtering
ONVIF Conformance	Profile S
Web Viewer	Supported OS: Wndows XP, Vista, 7, MAC OSSupported Browser: Internet Explorer 7.0 or higher, Chrome, Firefox, Safari
Mobile Viewer	TBD
CMS/VMS	TBD
<b>General</b>	
Input Voltage	12vDC / PoE (802.3af class 0 Max. 12.94W)
Power Consumption (W)	5.6W(Idle) / 8.2W(Operating)
Operating Temperature	-10°C ~ 50°C (14° ~ 122° F)
Active/Passive Cooling	Active
Rated Amperage	460mA(Idle) / 680mA(Operating)
IP Rating	N/A (indoor only)
Dimensions	H: 149.2mm W: 110mm
Weight	500 g
Approvals	FCC, CE, ROHS

\*Specification &amp; Design are subject to change without prior notice

INCON

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