

# MU-Pano103 Outdoor Fisheye Network Camera

2MP · 360° / 180° Panoramic View · IP66



## Features

- 15 fps@1440x1440 HD
- Dewarping the Image via Fisheye Correction Processor
- Removable IR-cut Filter for Day & Night Function
- Real-time H.264, MPEG-4, and MJPEG Compression
- ROI (Region of Interest) Provide Outstanding e-PTZ Function
- Minimum 0.1 Lux for Night Vision
- WDR Enhancement for Visibility in Extremely Bright or Dark Environments
- Two-way Audio Communication, External Microphone Input and Audio Output
- Built-in MicroSD Card Slot, support SDHC/SDXC 64GB or above
- Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE (PD738E)
- ONVIF Compliant for Interoperability



360° Broad View



360° Source View



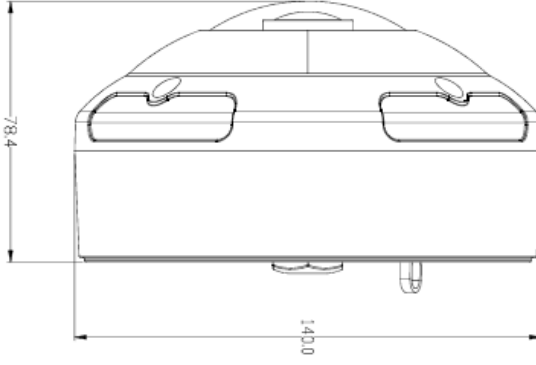
Quad View



3 PTZ with Source View

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<b>System Information</b>		Interface	10 Base-T/100 BaseTX Ethernet(RJ-45)
CPU	Multimedia SoC (System-on-Chip)	ONVIF	Ver. 2.2
NOR Flash	16MB	<b>Intelligent Video</b>	
RAM	512 MB	Motion Detection	Ten-Window video motion detection
<b>Camera Features</b>		<b>Alarm and Event</b>	
Maximum Resolution	1440x1440	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification
Lens Type	Fisheye Fix Lens	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Focal Length	f=1.25 mm	<b>General</b>	
Aperture	F= 2.0	Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1 Video output*1 (NTSC/PAL)
Field of View	180° (Horizontal/Vertical/Diagonal)		
WDR Technology	WDR Enhanced		
Day/Night	Removable IR-cut filter for day & night function		
Minimum Illumination	1.9 Lux @F2.8 (Color) ; 0.1 Lux @F2.8 (B/W)	Power Input	DC 12V IEEE 802.3af PoE
Pan/Tilt/Zoom	ePTZ: 10x digital zoom		
On-board Storage	Built-in MicroSD card slot, support SDHC/SDXC 64GB or above	Power Consumption	Max. 5.1 W (DC 12V) Max. 5.3 W (PoE)
<b>Video</b>		Casing	Weather-proof IP66-rated housing
Compression	H.264, MJPEG & MPEG-4	Dimension	Ø:140 x 78.4mm
Display Mode	360° Source View, 360° Broad View, 180° Double Broad View, Triple View, Quad View, 3 PTZ with Source View	Weight	Net: 970g
Maximum Frame Rate	15 fps at 1440x1440 15 fps at 1600x1200 15 fps at 1280x1024 15fps at 800x600, 640x480	Safety Certifications	CE, FCC Class B, LVD
Maximum Streams	3 simultaneous streams	Operating Temperature	0°C ~ 50°C
S/N Ratio	Above 39 dB	Operating Humidity	10% ~ 80%
Dynamic Range	100 dB	<b>System Requirements</b>	
Video Streaming	Adjustable resolution, quality and bitrate ROI (Region of Interest) Provide Outstanding e-PTZ Function	Operating System	Microsoft Windows 7/Vista/XP/2000
Image Settings	Adjustable image size, quality and bitrate Configurable brightness, saturation, exposure control, sharpness, contrast, white balance, auto shutter control, auto gain control, noise reduction, EV luminance control, flip & mirror, privacy masks, time stamp, text overlay	Web Browser	Mozilla Firefox 7 ~ 10, Internet Explorer 7, 8, 9, 10, 11 Chrome / Safari 4.0 or above
<b>Audio</b>		Other Players	VLC: 1.1.11 or above
Audio Capability	Audio input/output (full duplex)	<b>Included Accessories</b>	
Compression	G.711u	Quick installation guide, screws pack, software CD, mounting bracket (Optional)	
Interface	External microphone input and Speaker Out	<b>Dimensions</b>	
Effective Range	5 meters		
<b>Network</b>			
Users	Live viewing for up to 10 clients		
Protocols	HTTP,HTTPS, TCP/ IP,IPv4, UDP, SMTP, FTP, DHCP, DDNS, NTP, DNS, ARP,RTSP, RTP, UPnP, ONVIF(Profile S), Multicast		