

Lotus Energy IP Cameras

From Fixed, PTZ and Explosionproof Models

Take Advantage of Lotus's Performance Series of High Resolution IP Cameras Honeywell is taking quality and reliability to the next level with the new Performance Series line of 8 MP (4K) Ultra HD IP cameras, 4 MP, 2MP IP cameras, 1080p IP PTZ cameras, 5 MP fisheye cameras and HD IP cameras. The Lotus cameras, including rugged bullet, fisheye, indoor and outdoor domes, ball cameras, pin-hole and PTZ cameras offer incomparable picture clarity, hassle-free flexible system integration, and secure data transmission—and they install easily too!



Lotus® Superior HD Image Quality, up to Ultra HD 4K Up to Ultra HD 8 MP (4K) cameras Either True WDR (120 dB) or Digital WDR (DWDR) ensures glare-free images True Day/Night provides vivid color images by day and clear blackand-white images at night using a removable IR cut filter Excellent low-light performance with 2D/3D noise reduction, saving storage and bandwidth together with Smart codec **

Features include:

- 🌿 1/2.8" 2 MP progressive scan imager
- 🌿 1920 x 1080 resolution, 2.1 mm fixed lens
- 🌿 True day/night (IR-cut filter)
- 🌿 Wide Dynamic Range up to 120 dB
- 🌿 Low-light performance down to 0.08 lux (color) or 0.04 lux (B&W)
- 🌿 People Counting enabling retail owners to optimize their merchandising layout
- 🌿 H.265 Main Profile compression
- 🌿 Triple stream support, built-in microphone
- 🌿 Support up to 128GB Micro SDHC card class 10
- 🌿 PoE (802.3af) or 12 VDC support
- 🌿 Plug-and-play compatible with Honeywell Performance Series Embedded NVRs
- 🌿 IP66 and IK10-rated rugged housing







2 MP Bullet IP Camera

-  1/2.7" 2MP CMOS GC2673 Sensor
-  H.264, Max. Resolution 1920 x 1080
-  2.8-12 mm Varifocal lens
-  ≥ 50db WDR, DNR
-  42 IR LED
-  40 meter IR distance



Technical Specifications			
Camera		Network	
Image Sensor	1/2.7" 2MP CMOS GC2673 Sensor	Browser Support	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Progressive	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP,TCP,ARP,RTSP,RTP,UDP,RTCP,SMTP,FTP,DHCP, DNS,DDNS,PPPoE,IPv4/v6,SNMP,QoS,UPnP,NTP
Resolution	2 MP (1920x1080)	NTP	Supported
Min.Illumination	0.01Lux@ F1.2, 0Lux (IR ON)	Users	2 Level / 7 Users
Shutter	Auto	Remote Conn.	4 Users at once
Lens	2.8-12 mm Varifocal Lens	Standard	ONVIF 2.4
Focus	+		
S/N	≥50dB (AGC OFF)		
Day/Night	Automatic Switch IR Cut Filter		
		Connections	
		Communication	1-ch RJ45 10M / 100M Ethernet
		Storage	64GB USB Disk, Manual/Alarm
Analog	Supported	Audiu Input	1 Channel / Internal Audio
HD	AHD/CVBS/CVI/TVI optional	Mobile Monitoring	iOS & Android platform
Image Setting Additional Features	BLC, AGC, AWB, 2D-DNR, WDR D-WDR Adjustable Saturation, Brightness, Contrast		
		General	
OSD		DDNS	cnvdvr.com, viewdvr.org
OSD Language	1920 x 1080	Languages	Turkish, English, German, French, Arabic
Frame Rate	PAL 25fps (1920 x 1080) NTSC 25fps (1920 x 1080)	Working Temp.	-10°C ~ 60°C 0 ~ 90% RHG
Working Temp.	20°C ~ 70°C	Power Supply	DC 12V±10%, PoE (802.3af)
Humidity	%10 -90	Power Consumption	6 W≥
Power Supply	DC12V/50MA±5MA (9V-20V)	Protection	IP66
Power Consumption	6 W≥	IR Distance	50 M
Protection	IP66	IR Led	4 Pcs Array
IR Distance	40 M	Dimensions (mm)	222.5 x 67.6 x 65.9mm
IR Led	42 pcs IR	Weight	480g
		Product Code	MD-7220IP

2 MP Bullet IP Camera

-  1/2.8" 2MP SONY Exmor CMOS Sensor
-  H.264, Max. Resolution 1920 x 1080
-  2.8-12 mm Adjustable Lens
-  ≥80db WDR, 2D/3D DNR, Motion Detection, P2P
-  50 metre IR Distance
-  iOS, Android Phone Tracking
-  ONVIF 2.4, POE



Technical Specifications			
	Camera		Network
Image Sensor	1/2.8" 2MP SONY Exmor CMOS	Browser Support	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Linux	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP,TCP,ARP,RTSP,RTP,UDP,RTCP,SMTP,FTP,DHCP, DNS,DDNS,PPPoE,IPv4/v6,SNMP,QoS,UPnP,NTP
Min.Illumination	0.01Lux@F1.2 (0Lux,IR on)	NTP	Supported
Shutter	1/30S~1/5000S	Users	2 Level / 7 Users
Lens	2.8-12mm Adjustable lens	Remote Conn.	4 Users at once
Focus	Manual	Standard	ONVIF 2.4
S/N	≥50dB(AGC OFF)		
Day/Night	Automatic Switch IR Cut Filter		
WDR	≥80dB		
		Connections	
	Compression Standard	Communication	1-ch RJ45 10M / 100M Ethernet
Video Compression	H.264, Main Profile, MJPEG	Storage	64GB USB Disk, Manual/Alarm
Video Bit Rate	32Kbps~8Mbps	Audio Input	1 Channel / Internal Audio
Audio Bit Rate	ADPCM / G.711U / G.711A	Mobile Monitoring	iOS & Android platform
Audio Level	1~8		
Bit Rate	VBR / CBR		
	Image	General	
Max. Resolution	1920 x 1080	DDNS	cnvdvr.com, viewdvr.org
Frame Rate	PAL 25fps (1920 x 1080) NTSC 25fps (1920 x 1080)	Languages	Turkish, English, German, French, Arabic
Max. Stream Options	Main: 2MP (1920 x 1080) Secondary: 540P (960*540)	Working Temp.	-10°C~60°C 0~90% RHG
Settings	Adjustable Saturation, Brightness, Contrast	Power Supply	DC 12V±10%, PoE (802.3af)
BCL	Supported	Power Consumption	6 W≥
Masking	4 Zone	Protection	IP66
2D / 3D DBR	Supported	IR Distance	50 M
OSD	Channel Name, Time	IR Led	4 Pcs Array
Mirroring	Supported	Dimensions (mm)	222.5 x 67.6 x 65.9mm
Digital Zoom	16x	Weight	480g
		Product Code	MD-1453IP

2 MP Dome IP Camera

-  1/2.7" 2MP CMOS Sensor
-  H.264, Max. Resolution 1920 x 1080
-  3.6 mm fixed lens
-  ≥80db WDR, 2D/3D DNR, Motion Detection, P2P
-  10 metre IR Distance
-  IOS, Android Phone Tracking
-  ONVIF 2.4, POE



Technical Specifications			
Camera		Network	
Image Sensor	1/2.7" 2MP CMOS	Browser Support	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Linux	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/v6, SNMP, QoS, UPnP, NTP
Min. Illumination	0.01Lux@F1.2 (0Lux, IR on)	NTP	Supported
Shutter	1/30S~1/5000S	Users	2 Level / 7 Users
Lens	3.6mm fixed lens	Remote Conn.	4 Users at once
Focus	Automatic	Standard	ONVIF 2.4
S/N	≥45dB (AGC OFF)		
Day/Night	Automatic Switch IR Cut Filter		
WDR	≥80dB	Connections	
	Compression Standard	Communication	1-ch RJ45 10M / 100M Ethernet
Video Compression	H.264, Main Profile, MJPEG	Storage	64GB USB Disk, Manual/Alarm
Video Bit Rate	32Kbps~8Mbps	Audio Input	1 Channel / Internal Audio
Audio Bit Rate	ADPCM / G.711U / G.711A	Mobile Monitoring	iOS & Android platform
Audio Level	1~8		
Bit Rate	VBR / CBR	General	
	Image	DDNS	cnvdvr.com, viewdvr.org
Max. Resolution	1920 x 1080	Languages	Turkish, English, German, French, Arabic
Frame Rate	PAL 25fps (1920 x 1080) NTSC 25fps (1920 x 1080)	Working Temp.	-10°C ~ 60°C 0~90% RHG
Max. Stream Options	Main: 2MP (1920 x 1080) Secondary: 540P (960*540)	Power Supply	DC 12V±10%, PoE (802.3af)
Settings	Adjustable Saturation, Brightness, Contrast	Power Consumption	6 W≥
BCL	Supported	Protection	IP66
Masking	4 Zone	IR Distance	10 M
2D / 3D DBR	Supported	IR Led	12 Pcs IR
OSD	Channel Name, Time	Dimensions (mm)	
Mirroring	Supported	Weight	
Digital Zoom	16x	Product Code	MD-7220IPD

1 MP Dome IP Camera

-  1/3" 1MP CMOS Sensor
-  H.264, Max. Resolution 1280 x 720
-  3.6 mm fixed lens
-  ≥80db WDR, 2D/3D DNR, Motion Detection, P2P
-  20 metre IR Distance
-  IOS, Android Phone Tracking
-  ONVIF 2.4, POE



Technical Specifications

Camera		Network	
Image Sensor	1/3" 1MP CMOS	Browser Support	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Linux	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP,TCP,ARP,RTSP,RTP,UDP,RTCP,SMTP,FTP,DHCP, DNS,DDNS,PPPoE,IPv4/v6,SNMP,QoS,UPnP,NTP
Min.Illumination	0.01Lux@F1.2 (0Lux,IR on)	NTP	Supported
Shutter	1/30S~1/5000S	Users	2 Level / 7 Users
Lens	3.6mm fixed lens	Remote Conn.	4 Users at once
Focus	Automatic	Standard	ONVIF 2.4
S/N	≥45dB (AGC OFF)		
Day/Night	Automatic Switch IR Cut Filter		
WDR	≥80dB		
	Compression Standard	Connections	
Video Compression	H.264, Main Profile, MJPEG	Communication	1-ch RJ45 10M / 100M Ethernet
Video Bit Rate	32Kbps~8Mbps	Storage	N/A
Audio Bit Rate	ADPCM / G.711U / G.711A	Audio Input	1 Channel / Internal Audio
Audio Level	1~8	Mobile Monitoring	iOS & Android platform
Bit Rate	VBR / CBR		
	Image		General
Max. Resolution	1280 x 720	DDNS	cnvdvr.com, viewdvr.org
Frame Rate	PAL 25fps (1280 x 720) NTSC 25fps (1280 x 720)	Languages	Turkish, English, German, French, Arabic
Max. Stream Options	Main: 1MP (1280 x 720) Secondary: 540P (960*540)	Working Temp.	-10°C~60°C 0~90% RHG
Settings	Adjustable Saturation, Brightness, Contrast	Power Supply	DC 12V±10%, PoE (802.3af)
BCL	Supported	Power Consumption	6 W≥
Masking	4 Zone	Protection	IP66
2D / 3D DBR	Supported	IR Distance	20 M
OSD	Channel Name, Time	IR Led	12 Pcs IR LED
Mirroring	Supported	Dimensions (mm)	
Digital Zoom	16x	Weight	
		Product Code	MD-7113IPD

4 MP Dome IP Camera



-  **1/3" 4MP BSI CMOS Sensor**
-  **H.264, Max. Resolution 2688x1520**
-  **4 mm fixed lens**
-  **≥80db WDR, 2D/3D DNR, Motion Detection, P2P**
-  **30 metre IR Distance**
-  **IOS, Android Phone Tracking**
-  **ONVIF 2.4, POE**

Technical Specifications			
	Camera		Network
Image Sensor	1/3" 4MP BSI CMOS	Browser Suoport	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Linux	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP,TCP,ARP,RTSP,RTP,UDP,RTCP,SMTP, FTP,DHCP, DNS,DDNS,PPPoE,IPv4/v6, SNMP,QoS,UPnP,NTP
Min.Illumination	0.01Lux@F1.2 (0Lux,IR on)	NTP	Supported
Shutter	1/30S~1/5000S	Users	2 Level / 7 Users
Lens	4mm fixed lens	Remote Conn.	4 Users at once
Focus	Automatic	Standard	ONVIF 2.4
S/N	≥45dB (AGC OFF)		
Day/Night	Automatic Switch IR Cut Filter		
WDR	≥80dB		
		Connections	
	Compression Standard	Communication	1-ch RJ45 10M / 100M Ethernet
Video Compression	H.264, Main Profile, MJPEG	Storage	N/A
Video Bit Rate	32Kbps~8Mbps	Audiu Input	1 Channel / Internal Audio
Audio Bit Rate	ADPCM / G.711U / G.711A	Mobile Monitoring	iOS & Android platform
Audio Level	1~8		
Bit Rate	VBR / CBR		
		General	
	Image	DDNS	cnvdvr.com, viewdvr.org
Max. Resolution	2688 x 1520	Languages	Turkish, English, German, French, Arabic
Frame Rate	PAL 25fps (2688 x 1520) NTSC 25fps (2688 x 1520)	Working Temp.	-10°C~60°C 0~90% RHG
Max. Stream Options	Main: 1MP (2688 x 1520) Secondary: 540P (960*540)	Power Supply	DC 12V±10%, PoE (802.3af)
Settings	Adjustable Saturation, Brightness, Contrast	Power Consumption	6 W≥
BCL	Supported	Protection	IP66
Masking	4 Zone	IR Distance	30 M
2D / 3D DBR	Supported	IR Led	3 Pcs IR LED
OSD	Channel Name, Time	Dimensions (mm)	
Mirroring	Supported	Weight	
Digital Zoom	16x	Product Code	MD-7403IPD


2 MP 20x IP PTZ Camera

-  **1/3" 2MP CMOS Sensor**
-  **H.264, Max. Resolution 1920 x 1080**
-  **20x optic zoom, 16x digital zoom WDR**
-  **≥80db WDR, 2D/3D DNR, Motion Detection, P2P**
-  **150 metre IR Distance**
-  **ONVIF**



Technical Specifications	
Camera	
Image Sensor	1/3" CMOS 1920x1080
Min. Illumination	Color: 0.01Lux @(F1.2,AGC ON), B/W: 0.005Lux @(F1.2,AGC ON)
Zoom	20x
Optic Zoom	5.4-108mm
Digital zoom	16x
Day / Night	4mm fixed lens
BLC / DNR / WB / MOD	Off/ BLC / HLC / WDR / Defog / 2D / 3D
Pan & Tilt	
Space	Horizontal: 360° Rotary Type, Vertical: -10, -90°
Speed	Horizontal: 0.01°~120°/S, Vertical: 0.01°~35°/S
Preset	255 Zone, Preset Sensebility: ±0.5°
IR Distance	150m
IR Angle	Multiple Lens Combination
Compression Standard	
Video Compression	H.265/H.264
Video Bit Rate	50Kbps~7Mbps
General	
Languages	Turkish, English, German, French, Arabic
Working Temp.	-20°C~+50°C <90%
Power Supply	DC12V
Power Consumption	<25W
Protection	IP66
Dimensions (mm)	φ213.5*279.5mm
Weight	6.5kg
Product Code	MD-6420IPSD
Network	
Alarm	NONC, Kayıt, Preset, Ekran Ekran Tetikleme
Smart Alarm	Hareket Algılama, E-posta Gönderme
Protocols	TCP, UPNP, IP, HTTP, DHCP, PPPoE, RTSP, FTP, DDNS, NTP
Ethernet	10 / 100M Kendinden Uyarlamalı, RJ45 Konnektör
System	ONVIF

2 MP MINI IP PTZ Camera

-  1/2.8" 2MP Sony Exmor CMOS Sensor
-  H.264, Max. Resolution 1920 x 1080
-  10x optic zoom, 16x digital zoom
-  ≥80db WDR, 2D/3D DNR, Motion Detection, P2P
-  Pan Angle - 250° Tilt Space -10°~55°
-  40 metre IR Distance



Technical Specifications			
	Camera		Network
Image Sensor	1/3" 2MP Sony Exmor CMOS	Browser Suport	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Linux	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP,TCP,ARP,RTSP,RTP,UDP,RTCP,SMTP, FTP,DHCP, DNS,DDNS,PPPoE,IPv4/v6, SNMP,QoS,UPnP,NTP
Min.Illumination	0.01Lux@F1.2 (0Lux,IR on)	NTP	Supported
Shutter	1/30S~1/5000S	Users	2 Level / 5 Users
Lens	5.1-51mm lens	Remote Conn.	4 Users at once
Focus	Automatic	Standard	ONVIF 2.4
S/N	≥45dB (AGC OFF)		General
Day/Night	Automatic Switch IR Cut Filter	DDNS	N/A
WDR	≥80dB	Languages	Turkish, English
	Compression Standard	Working Temp.	-10°C~60°C 0~90% RHG
Video Compression	H.264, Main Profile, MJPEG	Power Supply	DC 12V±10%, PoE (802.3af)
Video Bit Rate	32Kbps~8Mbps	Power Consumption	50W≥
Audio Bit Rate	ADPCM / G.711U / G.711A	Protection	IP66
Audio Level	1~8	IR Distance	80 M
Bit Rate	VBR / CBR	IR Led	4 Pcs IR LED
	Connections	Dimensions (mm)	153mm x 93mm x 130mm
Communication	1-ch RJ45 10M / 100M Ethernet	Weight	920g
Storage	N/A	Product Code	MD-5410PTZ
Audiu Input	1 Channel / Internal Audio		PTZ
Mobile Monitoring	iOS & Android platform	Zoom	Digital 16x, Optic 10x
Max. Resolution	1920 x 1080	Pan Angle	250°
Frame Rate	PAL 25fps (1920 x 1080) NTSC 25fps (1920 x 1080)	Tilt Space	-10°~55° D53
Max. Stream Options	Main: 1MP (1920 x 1080) Secondary: 540P (960*540)	Preset	256
Settings	Adjustable Saturation, Brightness, Contrast	Pattern	4
BCL	Supported		
Masking	4 Zone		
2D / 3D DBR	Supported		
OSD	Supported		
Mirroring	Supported / Manual		
Digital Zoom	16x		

380TVLine MINI IP PT Dome Camera

-  1/3" VGA CMOS Sensor
-  MPEG, Max. Resolution VGA
-  16x Digital Zoom, Internal Audio
-  ≥50db WDR, 2D/3D DNR Motion Detection
-  8 metre IR Distance
-  PAN 270° Tilt 120



Technical Specifications			
Camera		Network	
Image Sensor	1/3" VGA CMOS	Browser Support	IE8+, Chrome30 ≥, Firefox24 +
Operating System	Linux	Alarm Trigger	Motion Detection / IP Collision
Signal System	PAL/NTSC	Protocols	HTTP, UDP, SMTP, FTP, DHCP, DNS, NTP, UPnP
Min. Illumination	0.4Lux@F2 (0Lux, IR on)	NTP	Supported
Shutter	1/30S~1/5000S	Users	2 Level / 5 Users
Lens	3.6mm fixed lens	Remote Conn.	5 Users at once
Focus	Automatic	Standard	ONVIF 2.1
S/N	≥45dB (AGC OFF)	Connections	
Day/Night	Automatic Switch IR Cut Filter	Communication	1-ch RJ45 10M / 100M Ethernet
WDR	50dB≥	Storage	N/A
Compression Standard		Audio Input	1 Channel / Internal Audio
Video Compression	MJPEG	Mobile Monitoring	iOS & Android platform
Video Bit Rate	VBR / CBR	Wifi	Wifi802.11 b/g
Audio Bit Rate	G.711U / G.711A / G726	General	
Audio Level	1~8	DDNS	Supported
Image		Languages	Turkish, English
Max. Resolution	640 x 480	Working Temp.	-10°C ~ 60°C 0 ~ 90% RHG
Frame Rate	PAL 25fps (640 x 480)	Power Supply	DC 5V±10%
Max. Flow Options	Main: 2MP (640x480) Secondary: CIF	Power Consumption	50W≥
Settings	Adjustable Saturation, Brightness, Contrast	Protection	IP65
BCL	Supported	IR Distance	8 M
Masking	4 Zone	IR Led	9 Pcs IR LED
2D / 3D DBR	Supported	Dimensions (mm)	120mm x 95mm x 115mm
OSD	Channel Name, Time	Weight	850g
PTZ		Product Code	MD-103IP
Alarm	CMS Instant Loading Photo & Record Events		
Zoom	Digital 16x		
Pan	270°		
Tilt	120°		
Preset	8		

2 MP Panoramic 360° VR IP Camera

-  1/3" 2MP CMOS Sensor
-  H.264, Max. Resolution 1920 x 1080
-  Panoramic 360° lens
-  ≥ 50db WDR, DNR
-  2 IR LED
-  5~10 Meter IR Distance



Technical Specifications	
Camera	
Image Sensor	1/3" CMOS sensor
Min.Illumination	0.1Lux@F1.2 (0Lux,IR on)
Signal System	PAL/NTSC
Resolution	2 MP (1920x1080)
Digital zoom	16x
Day / Night	4mm fixed lens
Lens	1,44mm - Panoramic 360°
Shutter	1/25S~1/100.000S
S/N	≥50dB (AGC OFF)
Day/Night	Automatic Switch IR Cut Filter
Video	
HD	1.3MP
Audio	Double Directed
Internal Storage	1~64GB micro SD cart
Mobile Application	iOS, Android destekli VR CAM
WiFi	Wifi 802.11b/g/n
General	
Working Temp.	-10°C~60°C
Humidity	10% -90
Power Supply	DC 12V±10%
Power Consumption	6 W≥
Protection	IP65
IR Distance	5~10 M
IR LED	2 Pcs
Dimensions (mm)	152x101x41mm
Weight	62gr
Product Code	MD-V301H
Mounting	
Wall Mounted	Panoramic -90° ~ 90°
Ceiling-mounted	Panoramic 0° ~ 360°







2 MP Panoramic 360° VR IP Camera

-  1/3" 2MP CMOS Sensor
-  H.264, Max. Resolution 1920 x 1080
-  Panoramic 360° lens
-  ≥ 50db WDR, DNR
-  2 IR LED
-  5~10 Meter IR Distance



Technical Specifications	
Camera	
Image Sensor	1/3" CMOS sensor & Progressive Scanning
Min.Illumination	0.1Lux@F1.2 (0Lux,IR on)
Signal System	PAL/NTSC
Resolution	2 MP (1920x1080)
Lens	1,44mm - Panoramic 360°
Shutter	1/255~1/100.000S
S/N	≥50dB (AGC OFF)
Day/Night	Automatic Switch IR Cut Filter
Video	
HD	1.3MP
Audio	Double Directed
Internal Storage	1~64GB micro SD cart
Mobile Application	iOS, Android destekli VR CAM
WIFI	Wifi 802.11b/g/n
General	
Working Temp.	-10°C~60°C
Humidity	10% -90
Power Supply	DC 12V±10%
Power Consumption	6 W≥
Protection	IP65
IR Distance	5~10 M
IR LED	12 Pcs
Dimensions (mm)	152x101x41mm
Weight	62gr
Product Code	MD-V302H
Mounting	
Wall Mounted	Panoramic -90° ~ 90°
Ceiling-mounted	Panoramic 0° ~ 360°

1.3 MP Panoramic 360° VR IP Camera

-  1/3" 1.3MP CMOS Sensor
-  Max. Resolution 1280x960
-  Panoramic 360° lens
-  ≥ 50db WDR, DNR
-  2 IR LED
-  5~10 Meter IR Distance



Technical Specifications	
Camera	
Image Sensor	1/3" CMOS sensor
Scanning System	Progressive
Signal System	PAL/NTSC
Resolution	1.3 MP (1280x960)
Min. Illumination	0.1Lux@F1.2 (0Lux,IR on)
Shutter	1/255~1/100.000S
Lens	1,44mm - Fish-eye 360°
S/N	≥50dB (AGC OFF)
Day/Night	Automatic Switch IR Cut Filter
Video	
HD	1.3MP
Audio	Double Directed
Internal Storage	1~64GB micro SD cart
Mobile Application	iOS, Android destekli VR CAM
WIFI	Wifi 802.11b/g/n
General	
Working Temp.	-10°C~60°C
Humidity	10% -90
Power Supply	DC 12V±10%
Power Consumption	5 W≥
Protection	IP65
IR Distance	5~10 M
IR LED	2 Pcs
Dimensions (mm)	152x101x41mm
Weight	62gr
Product Code	MD-VR031
Mounting	
Wall Mounted	Panoramic -90° ~ 90°
Ceiling-mounted	Panoramic 0° ~ 360°

Dual Sensors Thermal Camera

Technical Specifications	
Thermal Camera	
Image Sensor	Uncooled VOx Microbolometer
Effective Pixel	336 (H) x 256 (V)
Pixel Size	17 um
Thermal Sensitivity (NETD)	<40mK @ f / 1.0
Spectral Range	7- 14um
Image Setting	Brightness / Sharpness / ROI / AGC / FFC / 3D DNR
Color Palettes	14 (Whitehot / Blackhot / Ironrow / Icefir A / Fusion / Rainbow / Globow / Iconbow1 / Iconbow2 .etc)
Thermal Lens	
Lens Type	Fixed
Sharpness Setting	Focus-free
Focus Range	50mm
Point of view	H 6.5deg, V 5deg.
Effective Distance Human (1.8m * 0.5m)	Detection: 1700m Recognition: 430m Identification: 220m
Effective Distance Vehicle (2.3m * 2.3m)	Detection: 5000m Recognition: 1400m Identification: 700m
Visible Camera	
Image Sensor	1/1.9" CMOS ICR Day&Night Camera Sensor
Effective Pixel	1944(H) x 1092(V)
Electronic Shutter Speed	1/1 to 1/30.000 s
Min. Illumination	0.001Lux @ F1.5(Renk), 0.0001Lux @ F1.5(B/W)
S / N Ratio	more than 55 dB
IR Distance	150m (492ft)
IR On / Off Control	Auto / Manual
IR LED	4
Visible Lens	
Focus Range	8-250mm
Max. Openness	F1.6-6.1
Point of view	35.5-2.0 deg
Optical Zoom	32x
Sharpness Setting	Auto / Manual
Close Focus Distance	100mm ~ 1500mm
PTZ	
Pan / Tilt Range	Pan: 0 ° to 360 ° endless; Tilt: 0 ° to 180 ° auto slip
Manual Control Speed	Pan: 0.05 ° to 360 ° / sec; Tilt: 0.05 ° to 180 ° / sec
Preset Speed	Pan: 0.05 ° to 360 ° / sec; Tilt: 0.05 ° to 180 ° / sec
Preset	300
PTZ Mode	5 pattern, 5 auto scan, 8 cruising path, auto scan
Speed Setup	Human-oriented focal length / speed adaptation
Power Up Action	Auto Restore to Previous PTZ and Lens Status After Power Off
Idle Motion	Activate Preset / Scan / Tour / Pattern if there is no command in the specified period
Protocol	Pelco-P / D

Video	
Compression	H.264 / MJPEG
Frame Rate	Main Stream: Thermal: 1280 × 1024 (default) / 720P @ 1 to 25 / 30fps Visible: 1080P (default) / 720P @ 1 ~ 25 / 30fps Sub Stream: Thermal: 640 × 512 (default) / 320 × 256 @ 1 ~ 25 / 30fps Visible: CIF (default) / D1 @ 1 ~ 25 / 30fps
Bit Rate Control	CBR / VBR
Bit Rate	H.264: 640 ~ 8192 Kbps
Day and night	Automatic (ICR) / Color / B / W
BLC Mode	BLC / HLC / WDR
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 zones, Rectangle)
Region of Interest	Off / On (4 zones)
Electronic Image Stabilizer (EIS)	NA
Defog	Off / On
Digital Zoom	12x
Flip	180 °
Mirror	Off / On
Privacy Masking	Off / On (4 fields, Rectangle)
Audio Compression	G.722.1, G.711-a law, G.711-u law, MP2L2, G.726
Advanced Intelligent Functions	Fire dedection and alarm, tripwire IVS: Tripwire, Attack, Object loss, foreign object
Tracking Trigger Mode	Available with adding video server
Tracking Trigger Events	Available,aim, zoom, view, record, snapshot, alarm etc.
Network	
Ethernet	RJ-45 (10 / 100Base-T)
Protocol	IP, HTTP, SSL, TCP / IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1 x
Interoperability	ONVIF
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	Micro SD (128GB) Memory status display (Normal / Error / Active / Formatting / Lock), Network Attached Storage (NAS), local PC for instant
Smart phone	Android, IOS
Certifications	CE (EN 60950: 2000) FCC (FCC Part 15 Subpart B)
Interface	
Video Interface	1.0Vp-p / 75Ω, PAL / NTSC (HDCVI Optional)
Audio Interface	Input / Output 1 Input / 1 Output
RS485	Available
Alarm	7/2 Input / Output
Power	
Power source	24V AC ± 15%
Power consumption	Max. 38W (24V AC, Heater on)
Environmental Conditions	
Working conditions	-40 ° C to + 70 ° C (-40 ° F to + 158 ° F) / less than 95% RH
Durability Requirements	-40 ° C to + 70 ° C (-40 ° F to + 158 ° F) / less than 95% RH
Certificate of Protection	IP66
Size	463×280×280 (L×W×H) mm
Weight	9kg

MD-UVR150R Dual Sensor Thermal



Main Features

- 🌿 Uncooled amorphoussilicon sensor 640×480 pixel, 17μm, NETD at 50mk, easy to detect objects;
- 🌿 Adopts 30~150mm 5x continuous zoom thermal lens, which can detect distant object and identify nearby targets;
- 🌿 Adopts 8~250mm 32x zoom HD IP day camera
- 🌿 360°pan rotating, realize full range monitoring and high accuracy position
- 🌿 Easy to operate and maintenance
- 🌿 Sealed shell, smart shape, nitrogen inside, anti-harsh environment
- 🌿 Low power consumption, stable performance

Technical Specifications	
Effecting Distance	
Target	People (1.8mx0.5m) Vehicle (2.3mx2.3m)
Day Camera	Day vision 1500mts
Thermal Camera	Detection 4200mts Detection 12000mts
Resolution	Recognition 1100mts Recognition 3300mts
Day Camera	
Sensor Type	1/2.8" progressive scan CMOS
Pixel	2.1M
Focal Length	f=8~250mm, 32x optical zoom, auto focus
Iris	F1.6~6.1
Lowest Illumination	0.05Lux (color), 0.01Lux (white&black)
Shutter	Auto/manual
Camera Control	AGC, AWB, auto backlight compensation, support auto/manually day&night switch
Thermal Camera	
Detector Type	Amorphoussilicon sensor,, 640*480 pixel, 17μm
Spectrum Range	8~14μm
Lens	30~150mm 5x continuous zooming
FOV	4.2°x3.3° ~ 20.6°x16.5°
Instantaneous Angle	0.11~0.57mrad
NETD	40mK@F1.0
Frame	25Hz
Electric Magnification	2x/4x
Focus	Power focus, power magnification
Image Process	Digital detail enhancement (DDE), white hot/black hot/10 palette colors

Video Output	PAL/NTSC
	PTZ
Rotation Angle	Horizontal 0~360°continuous rotation; vertical +45°~-45°
Rotation Speed	Horizontal 0.01°~30°/S; Vertical 0.01°~15°/S
Preset	200pcs
Preset Precision	±0.1°
Auxiliary Switch	2 groups
Auto Cruising	8 cruising paths, each path can setup 10 presets
Auto Home	Can setup 1~60mis auto home time
Auto Scan	1 scan path
Protocol	PELCO D/P optional
Baud Rate	2400/4800/9600/19200 bps optional
Housing	Customized according to requirements
Material	Aluminum
Sun Shield	Yes
System Characters	
Dimension	680mmx450mmx650mm
Ingress Protection	IP66
Weight	40-45KG
Working Temp	-35°C~+60°C
Storage Temp	-40°C~+70°C
System Interface	
Video	H.264/MPEG4
Communication Port	RJ45
Protocol	TCP/IP, IPv4/v6, ONVIF, PSIA, CGI
Power Supply	AC24V
Power Consumption	≤100W