USER MANUAL

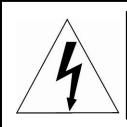
4MP HD ANALOG CAMERA

Please read this manual thoroughly before use and keep it handy for future reference.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

CAUTION



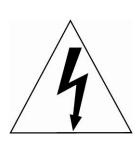
CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC INFORMATION: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

CE COMPLIANCE STATEMENT

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

IMPORTANT SAFETY INSTRUCTIONS

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15. CAUTION THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.
- 16. Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

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1 Introduction

1.1 Features

- 1/2.7" low illumination CMOS image sensor
- 3.6mm fixed or 2.8-12mm varifocal lens
- True D/N (Auto, Day, Night)
- IR LEDs
- HD-TVI, AHD, CVBS selectable(OSD)
- Auto exposure control (1/50,000 ~ Auto)
- Auto white balance
- Lens Shading Correction
- Digital WDR (Wide Dynamic Range)
- DNR (Digital Nosie Reduction)
- Defect Detections (Live DPC, White DPC)
- 12VDC for Camera
- Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

2 Installation and Configuration

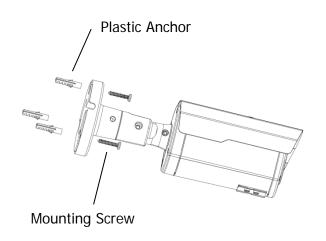
2.1 Package Contents

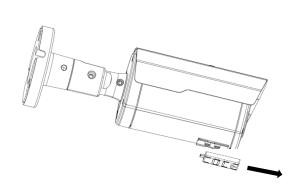
The package contains the following.

•	Camera	1
•	User Manual (This Document)	1
•	Template Sheet(Turret)	1
•	Accessory Kit	1

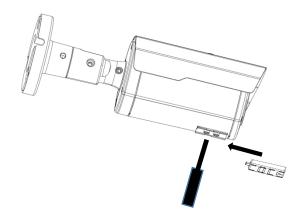
VF Bullet Camera

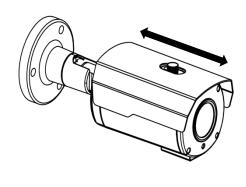
- 1) To mounting the bullet camera, fix the base of 2) Adjust the camera angle and tighten the the camera with the three screws provided in the accessory kit.
 - mount using the L-wrench.
 - 3) Remove cover of lens adjusting screw.





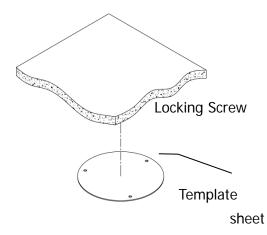
- 4) Adjust zoom and focus using flathead screw 6) Adjust sun-shield position. driver.
- 5) Attach the lens adjusting screw cover.

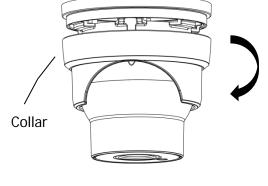




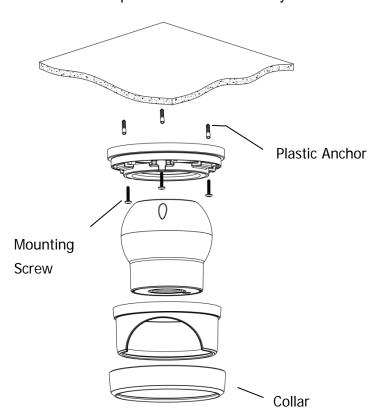
Fixed Turret Camera

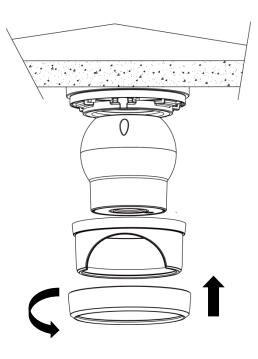
- 1) Paste the template sheet in place at the proper position.
- 2) Remove the collar off the camera by rotating it down.





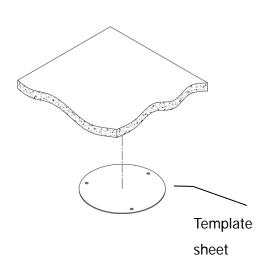
- 3) Fix the base of the camera with the three screws provided in the accessory kit.
- 4) Mount the collar back by rotating it up.

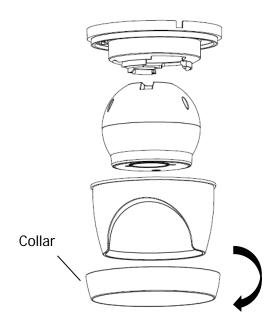




VF Turret Camera

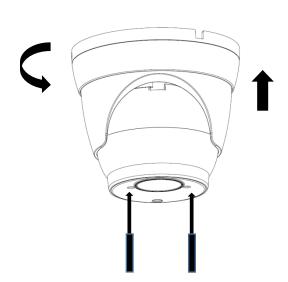
- 1) Paste the template sheet in place at the proper position.
- 2) Remove the collar off the camera by rotating it down.





- 3) Fix the base of the camera with the three screws provided in the accessory kit.
- 4) Mount the collar back by rotating it up. Adjust zoom and focus using screwdriver.





2.3 Connections



No.	Connector	Description
1	DC jack	Camera Power
2	BNC jack	Video Out

The camera must be installed by qualified service personnel in accordance with all local and federal electrical and building codes.

• Connecting Video Output connector

Connect the video output (BNC) connector to the video input.

Connecting the Power

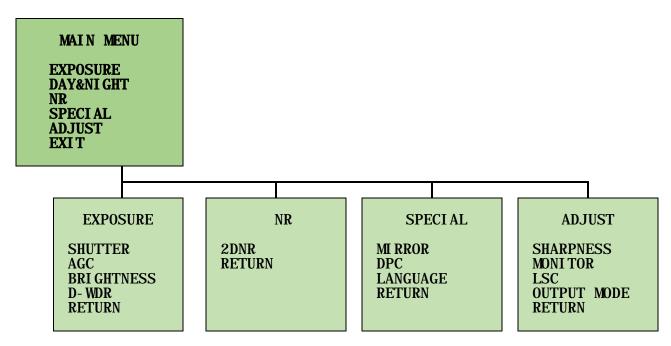
Connect power of 12VDC for the camera.

When using a 12VDC adapter, connect the positive (+) pole to the '+' position and the negative (-) pole to the '-' position.

Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

3 OSD Menu

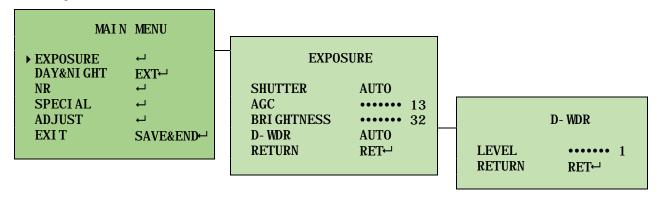
3.1 OSD Menu Structure



Note. OSD menu can be controlled by coaxial communication (UTC).

Video Mode	Control Protocol (MSR series)	Control Protocol (MER series)
THD(TVI)	C-protocol(H)	TVI-UTC
AHD	A-CP(AHD)	AHD-C
CVBS	A-CP(AHD)	AHD-C

3.2 Exposure



SHUTTER: select the Shutter speed level.

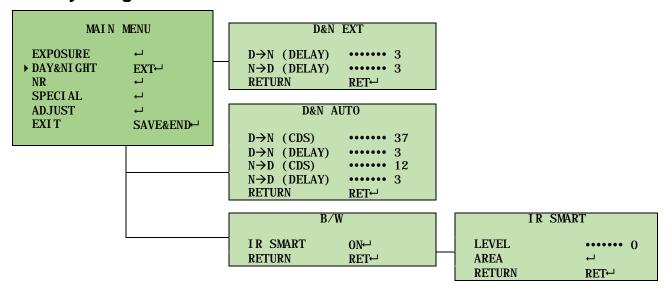
Auto, 1/25(30), 1/50(60), FLK, 1/400(480), 1/1000, 1/2000, 1/5000, 1/10000, 1/50000

AGC: 1 to 15

BRIGHTNESS: Adjust the Brightness. 1 to 100

D-WDR: Select the Digital WDR. Auto, Off, **On**← Level: 0 to 15

3.3 Day & Night



EXT, AUTO, COLOR, B/W

EXT: Day/ night mode is changed by external sensor on the IR board.

D→N (Delay): 0 to 60 N→D (Delay): 0 to 60

AUTO: Day/night mode is changed by AGC level of the video.

D→N (AGC): 0 to 255 D→N (Delay): 0 to 60 N→D (AGC): 0 to 255 N→D (Delay): 0 to 60

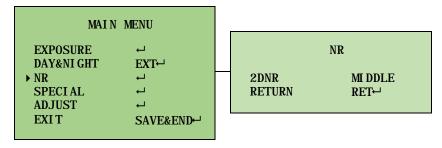
COLOR: Permanent color mode

B/W→ IR Smart: Off, On Level: 0 to 15

Area/Size: Use up, down, right, left buttons to adjust both position and size of area.

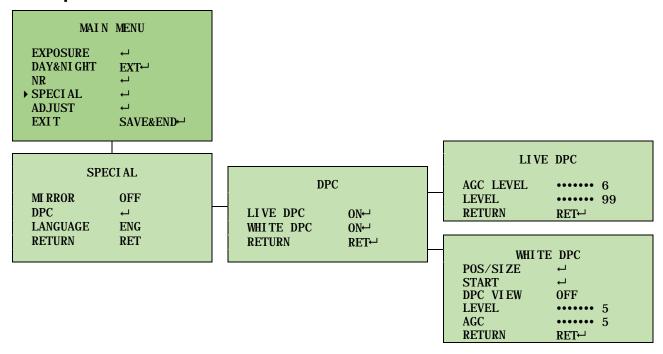
3.4 NR

Select Digital Noise Reduction mode.



2DNR: Off, Low, Middle, High

3.5 Special



MIRROR: Off, Mirror, V-Flip, Rotate

DPC: Live DPC: Off, **On**← AGC Level: 0 to 255

Level: 0 to 100

White DPC: Off, On⊢ Pos/Size: Use up, down, right, left buttons to adjust

both position and size of area.

Start: Close the iris then press enter button.

DPC View: Off, On Level: 0 to 60 AGC: 0 to 14

Black DPC: Off / On- Pos/Size: Use up, down, right, left buttons to adjust

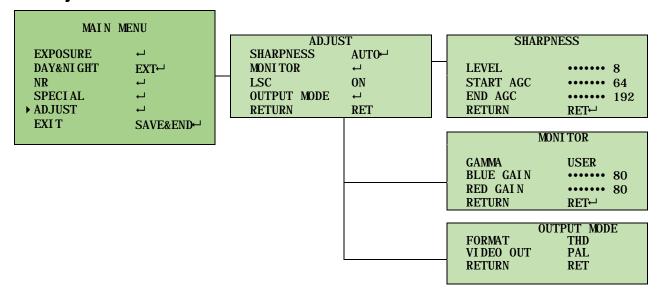
both position and size of area. Start: Press enter button. DPC View: Off / On Level: 0 to 100

LANGUAGE: ENG (English), CHN1 (Chinese 1), CHN2 (Chinese 2), GER (German),

FRA (French), ITA (Italian), SPA (Spanish), POL (Polish), RUS (Russian),

POR (Portuguese), NED (Dutch), TUR (Turkish), JPN(Japanese)

3.6 Adjust



SHARPNESS: Off, Auto- Level: 0 to 10

Start AGC: 0 to 255 End AGC: 0 to 255

MONITOR: LCD→ Black Level: 0 to 60

Gamma: User, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90,

0.95, 1.00

Blue Gain: 0 to 100 Red Gain: 0 to 100

LSC: Select the Lens Shading Compensation. Off, On **OUTPUT MODE**: Select video format and scan mode.

FORMAT: Select THD, AHD or CVBS mode.

VIDEO OUT: Select NTSC or PAL.

NRT: Under AHD mode, user can enable NRT(Non Real Time) mode.

*NRT: frame rate is 15fps.

3.7 Exit

SAVE&END: Save and exit OSD menu.

RESET: Full factory reset

NOT SAVE: Exit the OSD without saving settings.

4 Appendix

4.1 Specification

Bullet Camera

MAGE	Model	MEB-64V2812M0A
Angle of View	IMAGE	
Image Sensor	Lens	Varifocal 2.8~12mm F1.6
Image Sensor	Angle of View	94° ~ 26.5°(H)
BW: OLux@IR LED On	Image Sensor	
Scanning Mode Progressive Scan Sync. System Internal		,
Sync. System		
Day and Night Mode Wide Dynamic Range Yes		
Wide Dynamic Range Yes Noise Reduction 2DNR White Balance Control AWB, ATW, AWC, Indoor, Outdoor, Manual Image Effect Mirror, V-Flip, Rotate, LSC(Lens Shading Correction) Shutter Speed Auto, FLK ~ 1/50,000sec S/N Ratio More than 50dB(AGC off) IR Quantity 30 SMD IR LEDs Illuminator 20m Resolution 4MP(TVI, AHD) Frame Rate 25/30fps(PAL/NTSC) Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Video Output BNC Connector ETC Operating Humidity 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm		
Noise Reduction AWB, ATW, AWC, Indoor, Outdoor, Manual	, ,	
White Balance Control AWB, ATW, AWC, Indoor, Outdoor, Manual Image Effect Mirror, V-Flip, Rotate, LSC(Lens Shading Correction) Shutter Speed Auto, FLK ~ 1/50,000sec S/N Ratio More than 50dB(AGC off) IR Quantity 30 SMD IR LEDs Illuminator Distance 20m Resolution 4MP(TVI, AHD) Frame Rate 25/30fps(PAL/NTSC) Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Video Output BNC Connector ETC Operating Humidity 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12v ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g		
Dutdoor, Manual		
Mirror, V-Flip, Rotate, LSC(Lens Shading Correction)	White Balance Control	
Shading Correction	Image Effect	
S/N Ratio More than 50dB(AGC off) IR Quantity 30 SMD IR LEDs Illuminator 20m Resolution 4MP(TVI, AHD) Frame Rate 25/30fps(PAL/NTSC) Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Video Output BNC Connector ETC BNC Connector Operating Humidity 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	3	
R	Shutter Speed	Auto, FLK ~ 1/50,000sec
Resolution	S/N Ratio	More than 50dB(AGC off)
Resolution 4MP(TVI, AHD) Frame Rate 25/30fps(PAL/NTSC) Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT Power Input DC Jack Video Output BNC Connector ETC Operating Humidity 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions Net Weight Approx 735g	IR Quantity	30 SMD IR LEDs
Frame Rate 25/30fps(PAL/NTSC) Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Power Input BNC Connector ETC Operating Humidity Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Illuminator Distance	20m
Frame Rate 25/30fps(PAL/NTSC) Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Power Input BNC Connector ETC Operating Humidity Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g		
Video Output TVI, AHD, CVBS Selectable(OSD) Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT Power Input Video Output BNC Connector ETC Operating Humidity Operating Temperature Power Supply Power Consumption DC12V ± 10% Power Consumption S3.6(W) x 82.2(H) x 241(D)mm Net Weight	Resolution	4MP(TVI, AHD)
Selectable(OSD) Video Mode FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT Power Input Power Input Operating Humidity Operating Humidity Operating Temperature Power Supply Power Consumption Net Weight Selectable(OSD) NTSC, PAL Selectable(OSD) NED, White DPC Coaxial Control(UTC) EXTERNAL IN/OUT BNC Jack BNC Connector ETC Operating Humidity O ~ 96%RH(Non-condensing) -20°C ~ +50°C Power Supply BC12V ± 10% 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight	Frame Rate	25/30fps(PAL/NTSC)
Video Mode NTSC, PAL Selectable(OSD) FUNCTION Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Power Input BNC Connector ETC Subject of the properties of th	Video Output	TVI, AHD, CVBS
FUNCTIONDefect DetectionLive DPC, White DPCLanguageENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPNOSD SetupCoaxial Control(UTC)EXTERNAL IN/OUTPower InputDC JackVideo OutputBNC ConnectorETCOperating Humidity $0 \sim 96\%$ RH(Non-condensing)Operating Temperature -20° C $\sim +50^{\circ}$ CPower SupplyDC12V \pm 10%Power Consumption5.3WDimensions83.6(W) x 82.2(H) x 241(D)mmNet WeightApprox 735g		Selectable(OSD)
Defect Detection Live DPC, White DPC Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Power Input BNC Connector Video Output BNC Connector ETC Operating Humidity Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Video Mode	NTSC, PAL Selectable(OSD)
Language ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Power Input BNC Connector Video Output BNC Connector ETC Operating Humidity 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	FUNCTION	
OSD Setup Coaxial Control(UTC) EXTERNAL IN/OUT DC Jack Power Input BNC Connector Video Output BNC Connector ETC 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Defect Detection	Live DPC, White DPC
EXTERNAL IN/OUT Power Input DC Jack Video Output BNC Connector ETC Operating Humidity 0 ~ 96%RH(Non-condensing) Operating Temperature -20°C ~ +50°C Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Language	ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN
Power InputDC JackVideo OutputBNC ConnectorETC $Operating Humidity$ $0 \sim 96\%RH(Non-condensing)$ Operating Temperature $-20^{\circ}C \sim +50^{\circ}C$ Power Supply $DC12V \pm 10\%$ Power Consumption $5.3W$ Dimensions $83.6(W) \times 82.2(H) \times 241(D)mm$ Net WeightApprox 735g	OSD Setup	Coaxial Control(UTC)
Video OutputBNC ConnectorETCOperating Humidity $0 \sim 96\%$ RH(Non-condensing)Operating Temperature -20° C $\sim +50^{\circ}$ CPower SupplyDC12V $\pm 10\%$ Power Consumption 5.3 WDimensions 83.6 (W) x 82.2 (H) x 241 (D)mmNet WeightApprox 735 g	EXTERNAL IN/OUT	
ETCOperating Humidity $0 \sim 96\%$ RH(Non-condensing)Operating Temperature $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ Power SupplyDC12V \pm 10%Power Consumption 5.3W Dimensions $83.6(\text{W}) \times 82.2(\text{H}) \times 241(\text{D})\text{mm}$ Net WeightApprox 735g	Power Input	DC Jack
ETCOperating Humidity $0 \sim 96\%$ RH(Non-condensing)Operating Temperature $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ Power SupplyDC12V \pm 10%Power Consumption 5.3W Dimensions $83.6(\text{W}) \times 82.2(\text{H}) \times 241(\text{D})\text{mm}$ Net WeightApprox 735g	Video Output	BNC Connector
$ \begin{array}{c c} \text{Operating Temperature} & -20^{\circ}\text{C} \sim +50^{\circ}\text{C} \\ \hline \text{Power Supply} & \text{DC12V} \pm 10\% \\ \hline \text{Power Consumption} & 5.3W \\ \hline \text{Dimensions} & 83.6(\text{W}) \times 82.2(\text{H}) \times 241(\text{D})\text{mm} \\ \hline \text{Net Weight} & \text{Approx 735g} \\ \hline \end{array} $	ETC	
Power Supply DC12V ± 10% Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Operating Humidity	0 ~ 96%RH(Non-condensing)
Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Operating Temperature	
Power Consumption 5.3W Dimensions 83.6(W) x 82.2(H) x 241(D)mm Net Weight Approx 735g	Power Supply	DC12V ± 10%
Net Weight Approx 735g		5.3W
	Dimensions	83.6(W) x 82.2(H) x 241(D)mm
	Net Weight	Approx 735g
	Ingress Protection	

Turret Camera

Model		MED-54F0036MBA	MED-64V2812MBA
IMAGE			
Lens		Fixed 3.6mm F2.0	Varifocal 2.8~12mm F1.6
Angle of Vie	•W	76°(H)	94° ~ 26.5°(H)
Image Sens	sor	1/2.7" CMOS	1/2.7" CMOS
Min. Illumina		Color: 0.5Lux@F2.0, 50IRE	Color: 0.5Lux@F1.6, 50IRE
		BW: 0Lux@IR LED On	BW: 0Lux@IR LED On
Scanning M	lode	Progressive Scan	Progressive Scan
Sync. Syste		Internal	Internal
Day and Nig	ght Mode	True D/N(Auto, Color, B&W)	True D/N(Auto, Color, B&W)
Wide Dynar	nic Range	Yes	Yes
Noise Redu	ction	2DNR	2DNR
White Balar	nce Control	AWB, ATW, AWC, Indoor,	AWB, ATW, AWC, Indoor,
		Outdoor, Manual	Outdoor, Manual
Image Effec	et	Mirror, V-Flip, Rotate, LSC(Lens	Mirror, V-Flip, Rotate, LSC(Lens
		Shading Correction)	Shading Correction)
Shutter Spe	ed	Auto, FLK ~ 1/50,000sec	Auto, FLK ~ 1/50,000sec
S/N Ratio		More than 50dB(AGC off)	More than 50dB(AGC off)
IR	Quantity	18 SMD IR LEDs	40 SMD IR LEDs
Illuminator	Distance	20m	20m
VIDEO	•		
Resolution		4MP(TVI, AHD)	4MP(TVI, AHD)
Frame Rate	;	25/30fps(PAL/NTSC)	25/30fps(PAL/NTSC)
Video Outpu	ut	TVI, AHD, CVBS	TVI, AHD, CVBS
		Selectable(OSD)	Selectable(OSD)
Video Mode	;	NTSC, PAL Selectable(OSD)	NTSC, PAL Selectable(OSD)
FUNCTION			
Defect Dete	ection	Live DPC, White DPC	
Language		ENG, CHN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, JPN	
OSD Setup		Coaxial Control(UTC)	Coaxial Control(UTC)
EXTERNAL			
Power Input		DC Jack	DC Jack
Video Outpu	ut	BNC Connector	BNC Connector
ETC			
Operating Humidity		0 ~ 96%RH(Non-condensing)	0 ~ 96%RH(Non-condensing)
Operating Temperature		-20°C ~ +50°C	-20°C ~ +50°C
Power Supply		DC12V ± 10%	DC12V ± 10%
Power Consumption		3.7W	5.3W
Dimensions		90Ø x 85(H)mm	135.4Ø x 127.7(H)mm
Net Weight		Approx 360g	Approx 770g
Ingress Protection		IP66	IP66

Specifications are subject to change without notice.

4MP HD ANALOG CAMERA

