

# Special series

Customer-oriented innovation



> HQ1 Mini Bullet Camera (HQ1)

F03~F03

> Smoke Detector Covert Camera

F04~F04

## Special Camera

Model Number	Feature	Page
MTC-102HODN	Mini Bullet Camera (HQ1)	F03
MTC-103HODN	Mini Bullet Camera (HQ1)	F03
MTC-305DHO	Smoke Detector Covert Camera (HQ1)	F04
MTC-305D	Smoke Detector Covert Camera	F04

### Mini Bullet Camera

#### ◆ Pinhole Lens

The minimized Pinhole Lens Camera, MTC-102HQDN, can be used widely in any occasions or special applications, such as extreme sport, racing car...etc. With the small size, these cameras can be carried conveniently and not be recognized easily. It is easy to install anywhere and suits for covert detection.



#### ◆ Board Lens

The minimized Board Lens camera, MTC-103HQDN, excepts for its small shape feature which can be carried conveniently or used for special applications, this camera is also equipped waterproof effect. If you have water proof requirement, this series are your best choice.



#### ◆ RCA Video Terminal

Different from the conventional BNC terminal of general CCTV cameras, the unique RCA video terminal can connect to household video devices conveniently.



#### ◆ Attached BNC Connector

The attached BNC adaptor enables the RCA terminal connect to the BNC terminal, so cameras can be also applied in professional surveillance systems as well.



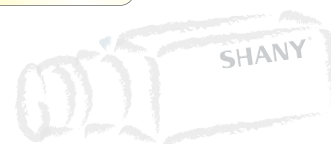
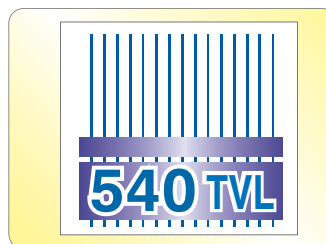
#### ◆ Water Resistance

MTC-103HQDN is equipped with IP67 water resistance design, so the cameras can be used in humid environments or outdoors environment.



#### ◆ Super High Resolution

The HQ1 Mini Bullet Camera Series adopts SONY HQ1 DSP, and the resolution can achieve 540 TVL. Even the minimized size cameras also provide you high quality images.



F Special Camera

# HQ1 Mini Bullet Camera (HQ1)

Products List > F Series > Special Camera > HQ1 Mini Bullet Camera (HQ1) > MTC-102HQDN, MTC-103HQDN

## MTC-102HQDN MTC-103HQDN

MTC-102HQDN



MTC-103HQDN



### FEATURES



MTC-102HQDN

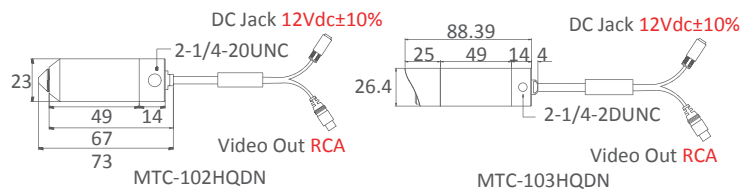
MTC-103HQDN

### MTC-102HQDN

- ◆ 1/3" Super Hi-Res. Color Camera
- ◆ Sony HQ1, 540TVL, 0.25Lux@F2.0
- ◆ Built-in DNR & Sense Up
- ◆ Built-in Pinhole Lens

### MTC-103HQDN

- ◆ 1/3" Super Hi-Res. Color Camera
- ◆ Sony HQ1, 540TVL, 0.15Lux@F2.0
- ◆ Built-in DNR & Sense Up
- ◆ Built-in Board Lens
- ◆ Water Resistance:IP67



Tol:±0.5 Unit:mm

### SPECIFICATIONS

	MTC-102HQDN		MTC-103HQDN	
	PAL	NTSC	PAL	NTSC
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony Super HAD CCD II			
Number of Total Pixels	795(H)x596(V)	811(H)x508(V)	795(H)x596(V)	811(H)x508(V)
Resolution ; DSP	540TVL ; Sony HQ1			
Minimum Illumination	0.25Lux@F2.0		0.15Lux@F2.0	
Video Output ; Connector	1.0Vp-p Composite, 75Ω (RCA, Attach BNC Connector)			
Signal to Noise Ratio	More than 48dB			
Gamma Correction	0.45			
Synchronizing System	Internal			
Automatic Electronic Shutter	Automatic, 1/50(60)~1/100,000 sec.			
Automatic Gain Control	Automatic			
Automatic White Balance	Automatic			
Back Light Compensation	NA			
Flickerless	NA			
DNR ; Sense Up	Automatic Dynamic Digital Noise Reduction (DNR) ; Automatic			
Digital Day&Night Mode	Automatic (B/W Mode<2Lux, Color Mode>5Lux)			
Automatic IRIS ; Connector	NA			
Adjustment VR	NA			
Lens Mount	Built-in Pinhole Lens		Built-in Board Lens	
Lens, Angle of View(H)	Standard:f3.7mm/F2.0 Option:f4.3mm/F2.0		Standard:f3.6mm/F2.0/72.5° Option:f8.0mm/36.5°, f12.0mm/24.5°	
Water Resistance	NA		IP67	
Max. Breaking Strength	NA			
Power Supply ; Consumption	12Vdc±10% ; 1.6W			
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum:RH80% ; RH90%			
Dimensions	23(DIA)x73(D)mm		26.4(DIA)x83.39(D)mm	
Net Weight	100g		100g	
Accessories Option (Page)	Bracket:Standard with MTB-204			

# Smoke Detector Covert Camera

Products List > F Series > Special Camera > Smoke Detector Covert Camera > MTC-305DHQ, MTC-305D

## MTC-305DHQ, MTC-305D

### FEATURES

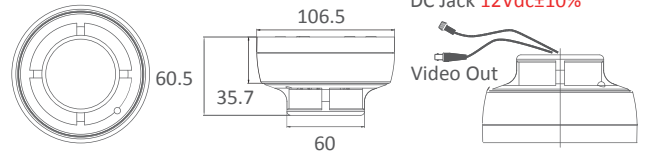


### MTC-305DHQ

- ◆1/3" Super Hi-Res. Color Camera
- ◆Smoke Detector Covert Camera
- ◆Sony HQ1, 540TVL, 0.25Lux@F2.0
- ◆Built-in DNR & Sense Up

### MTC-305D

- ◆1/3" Med-Res. Color Camera
- ◆Smoke Detector Covert Camera
- ◆420TVL, 0.3Lux@F2.0



Tol:±0.5 Unit:mm

### SPECIFICATIONS

	MTC-305DHQ		MTC-305D	
TV System	PAL	NTSC	PAL	NTSC
Image Sensor	1/3" Sony Super HAD CCD II		1/3" Sony Super HAD CCD	
Number of Total Pixels	795(H) X 596(V)	811(H) X 508(V)	537(H) X 597(V)	537(H) X 505(V)
Resolution ; DSP	540TVL ; Sony HQ1		420 TVL	
Minimum Illumination	0.25Lux@F2.0		0.3Lux@F2.0	
Video Output ; Connector	1.0Vp-p Composite, 75Ω (BNC)			
Signal to Noise Ratio	More than 48dB			
Gamma Correction	0.45			
Synchronizing System	Internal			
Automatic Electronic Shutter	Automatic, 1/50(60)~1/100,000 sec.			
Automatic Gain Control	Automatic			
Automatic White Balance	Automatic			
Back Light Compensation	NA		Automatic	
Flickerless	NA			
DNR ; Sense Up	Automatic Dynamic Digital Noise Reduction (DNR) ; Automatic		NA	
Digital Day&Night Mode	NA			
Automatic IRIS	NA			
Adjustment VR	NA			
Lens Mount	Built-in Board Lens			
Lens, Angle of View(H)	Standard:f2.9mm/F2.0/90° Option:f3.6mm/72.5°, f6.0mm/47.5°, f8.0mm/36.5°			
Power Supply ; Consumption	12Vdc±10% ; 1.5W		12Vdc ±10%; 1.0W	
Operation ; Storage Temp.	-10°C~50°C ; -20°C~60°C			
Operation ; Storage Humidity	Maximum:RH80% ; RH90%			
Dimensions	106.5(DIA) X 60.5(H) mm			
Net Weight	220g			
Accessories Option (Page)	NA			



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Subject to change without notice

Special Camera