

 ZEBRONICS

CCTV Dome Camera
ZEB **HDTVI MSD2**



User Manual

www.zebronics.com

Dear Customer,

Hello Zebee, please refer to this user manual for optimum usage of **ZEB-HDTVI MSD2** CCTV Surveillance Bullet Camera.

Features

- **ICR (Infrared Cut Removable Filter):** Automatic day/night mode switching for clear images.
- **AGC (Automatic Gain Control):** Adjusts sensitivity for varying light conditions.
- **BLC (Back Light Compensation):** Enhances visibility in front of bright backgrounds.
- **AWB (Auto White Balance):** Ensures natural colors in different lighting.
- **HLC (Highlight Compensation):** Reduces glare from bright light sources.
- **UTC (Up-the-Coax):** Control camera settings via the coaxial cable.
- **AHD / CVI / TVI / CVBS:** Supports four video formats for compatibility.
- **3 Warm Light LED:** Enables night vision for low light or darkness.
- **2 MP:** High-resolution image sensor.
- **15M Meters IR Range (Max.):** Maximum infrared illumination distance.

Specifications

Camera	Minimum Illumination	0.2 lux
	Image Sensor	GC20C3
	Shutter Speed	1/26 to 1/10000 seconds
	Angle of View	Horizontal: 72°; Vertical: 40°; Diagonal: 82°
	Scanning System	Progressive Scan
Lens	Focus Length	3.6 mm (Fixed)
	Mount Type / Lens	M12
	Focus Control	Fixed
	Lens Type	Fixed
	Lens	3.6mm
Night Vision	Max Aperture	F1.6
	LED type	Warm Light LED
	LED Color	Warm Light
	No. Of LEDs	3
	IR Cut Filter	Yes
Camera Features	Light Range	12 to 15 meter
	LED Power On	Auto
	OSD Support	Yes
	Day/Night Switch	Auto
	Noise Reduction	Yes
	Picture Adjustment	Yes
	WDR	Yes (D-WDR)
	White Balance	Yes
	AGC (Gain Control)	Yes
	ICR (Infrared Cut Removable Filter)	Auto(ICR)
Back Light Compensation	Yes	
Video output	TVI: 1920 x 1080 (25fps)	
	AHD: 1920 x 1080 (25fps)	
	CVI: 1920 x 1080 (25fps)	
CVBS: PAL: 1200 x 576 / NTSC: 1200 x 480		
Weatherproof Standard	Ip44	
S/N Ratio	≥52dB (AGC OFF)	
General	Power Consumption	DC12V(± 10%)
	Operating Temperature	-20°C~50°C / Less than 90% RH
	Weight	138g
	Body type	ABS Plastic
	Dimension (Dia x H)	9.2 x 8.5 cm
	Country of Origin	India

Connectors



DC Power Input



BNC Connector

Getting Started

Unpack your camera and ensure all components are present.

- **Camera Placement:** Decide on the installation location considering visibility, temperature, stability, and angle.
- **Cable Connection:** Connect the camera to your monitor or recording device using the appropriate cables.
- **Power Supply:** Power the camera with a DC12V power supply (matching the camera's requirements) by connecting it to the camera's power input.
- **Positioning:** Adjust the camera's angle and secure it in place using the mounting screws.
- **Testing:** Verify camera functionality by checking the live feed on your monitor or recording device.

Installation

Follow the provided instructions to install the camera securely, connect cables, and position it as needed.

- **Mounting:** Securely mount the camera on a stable surface or bracket using the included mounting screws. Ensure it has a clear line of sight to the area you want to monitor.

- **Positioning:** Adjust the camera's angle to achieve the desired field of view. Tighten the mounting screws to lock it in place.
- **Cable Routing:** Carefully route the cables, keeping them tidy and out of the way. Use cable clips or ties to secure the cables to prevent damage or tripping hazards.
- **Weatherproofing (Outdoor Installation):** If installing the camera outdoors, ensure it is protected from the elements. Consider using weatherproof enclosures or covers to shield the camera and cable connections.
- **Connecting to Power:** Connect the DC12V power supply to the camera's power input. Ensure the power supply is properly connected to a stable power source.
- **Video Connection:** Connect the camera's video output to DVR using the BNC cables.

Note: Controlling the CCTV camera OSD menu is subjective depending on the DVR / XVR used. For further assistance kindly contact our toll free no. 044 4000 0004

