VC-2HDIR28-CVI-Mobile

2MP Mobile HDCVI IR Cube Camera





Key Features

- · Max 30fps@1080P
- HDCVI output (Aviation connector)
- 3.6mm fixed lens (2.8mm optional)
- Max. IR length 20m, Smart IR
- · IP67, DC12V
- · Shock-proof

System Overview

Experience a 1080P full HD mobile video surveillance solution with the simplicity of analog infrastructure. The mobile camera is designed with a shock-proof, compact case, which makes it convenient to install and adaptable to various applications. It offers a high quality image as well as a multi-language OSD. In addition, the camera employs the strengths of HDCVI to ensure real-time transmission.

Functions

Elaborate Design

For better adapting the applications for vehicles, the mobile camera is designed with micro-sized compact case, which minimizes the interference against on-going activities. Taking aesthetics requirements into consideration, the body and front face of the camera is all-black.

Shock-proof

Vibration is inevitable in mobile applications. In order to avoid image or connection failure, the hardware structure of the mobile camera is shock-proof with the certification of EN50155. Plus, the mobile camera adopts M12 aviation connector for stable connection with MCVR.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. The plug and play approach enables full HD video surveillance without the hassle of configuring a network. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing cabling.

4 Signals over 1 Coaxial Cable

HDCVI Mobile Camera supports 4 signals to be transmitted over 1 cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm.

* Audio input is available for some models of HDCVI cameras.

Smart IR

The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Our unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments.

With working temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments.

Supporting $\pm 25\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Horizontal Mirror

For backward monitoring in a vehicle, the image of the mobile camera is horizontal mirrored by default, which makes the preview image and recording video same as the actual scene.

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Camera

Image Sensor	1/2.9" CMOS
Effective Pixels	1920(H)×1080(V), 2MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.02Lux/F2.0, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 20m (66feet)
IR On/Off Control	Auto / Manual
IR LEDs	1
Lens	
Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	3.6mm (2.8mm Optional)
Max Aperture	F2.0
Angle of View	H: 82.8° (106°)
Focus Control	N/A
Close Focus Distance	800mm (500mm) 31.50'' (19.69'')

DORI Distance

Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

	DORI Definition	Distance
Detect	25px/m (8px/ft)	3.6mm: 57m(187ft) 2.8mm:45m(149ft)
Observe	63px/m (19px/ft)	3.6mm: 23m(75ft) 2.8mm:18m(59ft)
Recognize	125px/m (38px/ft)	3.6mm: 11m(37ft) 2.8mm:9m(30ft)
Identify	250ppm (76px/ft)	3.6mm: 6m(19ft) 2.8mm:5m(15ft)

Pan / Tilt / Rotation

Pan/Tilt/Rotation

Pan: 0° ~ 360° Tilt: 0° ~ 180° Rotation: N/A

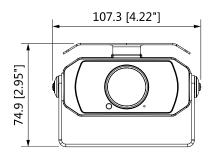
Resolution1080P (1920×1080)Frame Rate25/30fps@1080P, 25/30/50/60fps@720PFrame Rate25/30fps@1080P, 25/30/50/60fps@720PVideo Outputchannel BNC HDCVI high definition video outputDay/NightAuto (ICR) / ManualDSD MenuBIC / HLC / DWDRBLC ModeBIC / HLC / DWDRBLC ModeDWDRGain ControlAGCMihte BalanceAuto / ManualSmart IRAuto / ManualMirrorHorizontal mirror (default)CertificationsCIFCCFortificationsCIFCCAudio InterfaceSvideo ground 3-power ground 4-video ground 3-power ground 4-videoFourcionalIV DC ±25%Power SupplyIV DC ±25%Power SupplyIV DC ±25% TL SFF) / Less than 95% RH 5-strat up should be done at above-40°C (-40°F)Forare ConsumptionIPO?Pores Protection & Varon Start up should be done at above-40°C (-40°F)Forage ConditionsIPO?Forage ConditionsIPO?Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Protection & Varon Start up should be done at above-40°C (-40°F)Ingress Prote	Video	
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Net Weight 0.31kg (0.68lb)	Casing	Aluminium
	Dimensions	107.3mm×42.5×54.5mm (4.22"×1.67"×2.15")
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	Gross Weight	0.42kg (0.93lb)

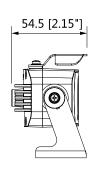
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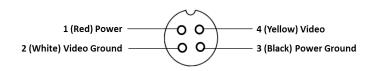
Dimensions





Ceiling Mount	Plane Mount

Aviation Connector



Installation