

HD-SDI CAMERA WITH BUILT-IN OPTICAL ZOOM



BMH7010-20



Blue Mango's Built-in Optical Zoom camera is based on the broadcast industry standard HD-SDI, and gives you high definition digital video over standard coaxial cables. The BMH7010-20 outputs Full HD (1920 x 1080) with no latency over 100 meters of coax at 30 frames per second, uncompressed. In addition, it offers 20x built-in optical zoom with auto focus.

HD-SDI is as easy to install and maintain as analog, offers secure transmission with no latency, and provides high quality megapixel images with a larger area of coverage. HD-SDI is the perfect solution for LPR, Traffic, Law Enforcement, and other high value installations.

- 1/3" 2.2 Megapixel CMOS image sensor
- Full HD (1920x1080@30fps), HD (1280x720@60fps), and NTSC/PAL Analog
- HDMI, HDI-SDI, and CVBS Outputs
- High Light Compensation (HLC) to mask out bright objects
- 4.7 - 94mm Megapixel Zoom lens
- 20x Optical Zoom with Auto Focus
- Digital Slow Shutter (DSS) and Dynamic Noise Reduction (DNR) for enhanced low-light performance

MAKE THE MOVE FROM ANALOG TO DIGITAL HD AND DISCOVER A NEW WORLD OF CLARITY!

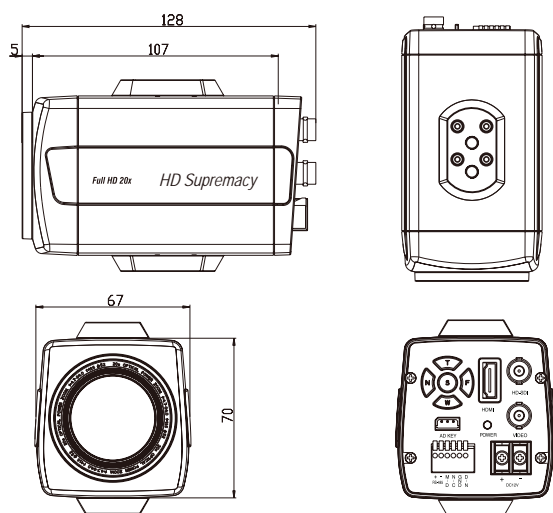
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Dimensions



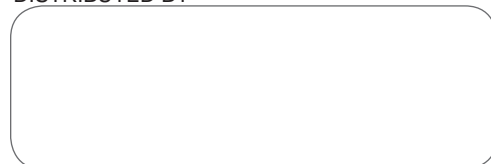
Unit: mm

Specifications

VIDEO	BMH7010-20
Image Sensor	1/3" Panasonic CMOS Sensor
Total Pixels	2010 (H) x 1108 (V)
Active Pixels	1944 (H) x 1092 (V)
Scanning System	Progressive
Resolution	Digital 1920x1080 (1080p30), 1280x720 (720p60): Analog 700TVL
Min. Illumination	Color 1.0 lux; B/W 0.5 lux; Color DSS 0.002 lux; B/W DSS 0.001 lux
S/N Ratio	>50db (AGC off)
Video Outputs	HD-SDI, HDMI, CBVS
LENS	
Focal Length	4.7 mm~ 94 mm
Aperture Ratio	F1.6 (wide) ~ F3.5 (tele)
Focus Distance	0.1, 1.0, 2.0, 3.7, 11.0 meters
Zoom Ratio	20x Day/Night Zoom Lens
OPERATIONAL	
On Screen Display	English
OSD Text	0 ~ 9, A ~ Z, a ~ z
DSS (Digital Slow Shutter)	OFF, x2, x3, x4
AGC (Automatic Gain Control)	OFF / ON
WDR / BLC	OFF / WDR / BLC
Day / Night	Auto / Day / Night / Ext
Smart IR	OFF / ON
White Balance	Auto / Preset / Manual / Indoor / Outdoor
Sharpness	0 ~ 10 steps
Mirror	OFF / H / V / H&V
Freeze	OFF / ON
Digital Zoom	32x
HLC (High Light Compensation)	OFF / ON
ACE (Advanced Contrast Enhancement)	OFF / ON
DNR (Dynamic Noise Reduction)	OFF / Low / Middle / High / Auto
D. Compress	OFF / ON
Privacy Mask	OFF / ON (32 points)
Motion	OFF / ON (4 points)
Shade Detection	OFF / ON
Shading	OFF / ON
Defect Detection	OFF / ON
Defog	OFF / ON
Pattern Generator	OFF / ON
CVBS (Composite Out)	OFF / ON
COMMUNICATION	
ID	1 ~ 255
RS-485	Baudrate: 2400, 4800, 9600, 19200, 38400, 57600, 115200
Protocol	Pelco-P; Pelco-D
ENVIRONMENTAL	
Operating Temperature	-10°C ~ +50°C, Humidity 0%RH ~ 80%RH
Storage Temperature	-20°C ~ +60°C, Humidity 0%RH ~ 90%RH
Certifications	FCC, CE, RoHS
ELECTRICAL	
Input Voltage and Current	12VDC ±10%; 500mA
Power Consumption	Max. 3 watts
MECHANICAL	
Dimensions	67 mm (W) x 70 mm (H) x 128 mm (D); (2.64"W x 2.76"H x 5.04"D)
Weight	1.2 kg (2.87 lbs)

Design and specifications are subject to change without notice.

DISTRIBUTED BY



bluemango

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