











# **FUNCTIONS**

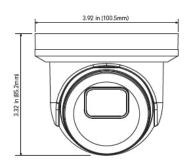
- 2MP (1920 x 1080)
- Fixed 2.8mm Lens
- HD-TVI / CVI / AHD / CVBS (Analog)
- Easy-to-Use DIP Switch to Change Formats
- True Day / Night
- Smart IR Illumination Up to 66ft.
- Digital NR
- Defog
- DWDR
- IP67 Outdoor Rating
- DC 12V (3W Consumption)
- NDAA Compliant

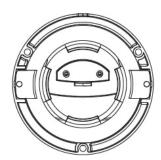
## 2MP HD-TVI FIXED TURRET CAMERA

2MP HD-TVI FIXED TURRET CAMERA WITH HD OVER COAX FEATURES

Our Second Generation HD-TVI Series continues providing the quality expected from the AVYCON brand. This 1080P camera includes an upgraded Smart IR LED array, new DIP switch design for easily changing video formats (HD-TVI, CVI, AHD and Analog), and a sleek new magnetic ring designed to hide all mounting screws from view and create a seamless body look. With the newest generation chipset and board design, we have also increased power efficiency with a possible 20% savings in consumption. Also standard with this series is Digital NR, AGC, DWDR, BLC, and Defog capabilities along with IP67 outdoor rating.

### **DIMENSIONS**





#### **OPTIONAL ACCESSORIES**



AVM-JB-BE-S1 JUNCTION BOX



AVM-CWM-EV-S1



AVM-HWM-E-S1
HEAVY-DUTY WALL MOUNT



AVM-HCM-E-S1 CEILING MOUNT



AVM-CRM-A1
CORNER MOUNT



AVM-POM-A1

# **SPECIFICATIONS**

Mage Sensor 1/2.7" Progressive Scan CMOS Resolution 2MP Image Size 1920 x 1080 Video Output 1-channel BNC Video Output Image System PAL / NTSC Electronic Shutter 1/15s to 1/50,000s IR Distance Up to 66ft. Wideo Formats HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq) Frame Rate HD-TVI / ADH / CVI / CVBS (Analoq)  Millumination 0.01lux@F1 2/AGC ON),0Lux with IR ON Lens Mount M12 S/N Ratio 40dB Function Control (ADC Sym Lens Mount M12 S/N Ratio 40dB Function Control (ADC Sym Lens Mount M12 Digital WDR Yes Digital WDR Yes Digital WDR Yes Backlight Compensation (BLC) Ves Backlight Compensation (BLC) Ves Backlight Compensation (BLC) Fes Edge Brightness Compensation Function Ratio Rati		
Resolution 2MP Image Size 1920 x 1080 Video Output 1-channel BNC Video Output Image System PAL/NTSC Electronic Shutter 1/15s to 150,000s IR Distance Up to 66ft. Video Formats HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS Min. Illumination 0.11ux@F1.2(ACC ON),01ux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Auto / Color / BW ( Black and White) Digital WDR Yes Digital WDR Yes Digital NR Yes (3D DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation (BLC) Yes Edge Brightness Compensation Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Any Angle Input Voltage Power Consumption Ingress Protection Vorking Environment 1.22F - 131F (-30°-55° Celcius)	CAMERA	
Image Size		
Video Output 1-channel BNC Video Output Image System PAL / NTSC Electronic Shutter 1/15s to 1/50,000s IR Distance Up to 66ft. Video Formats HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS Min. Illumination 0. Olluw@F1 (2/6/G ON),0Lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC) INTAGE Day & Night EXT / Auto / Color / BW ( Black and White) Digital WDR Yes Digital WDR Yes Digital WDR Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Edge Brightness Compensation Per System Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual Ingress Protection 1P67 Power Computation 1P67 Power Computation 1P67 Power Consumption Maximum 3W Ingress Protection 1P67 Working Environment - 22F - 131F (30°-55° Celcius)		
Image System PAL / NTSC  Electronic Shutter 1/15s to 1/50,000s  IR Distance Up to 66ft.  Video Formats HD-TV / ADH / CVI / CVBS (Analog) Frame Rate HD-TV / ADH / CVI / CVBS (Analog): 30 FPS  Min. Illumination 0.01lux@F1.2(AGC ON),0Lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC) IM/AGE Day & Night EXT / Auto / Color / BW (Black and White) Digital WDR Yes Digital WDR Yes (3D DNR) Auto Gain Control (AGC) Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes Defog No HLC No Sharpness Smart IR (Anti-SAT) Yes Jess Compensation Auto / Manual GENERAL Angle Adjustment Any Angle Inguress Protection IP67 Power Consumption Maximum 3W Ingress Protection IP67 Working Environment - 22F - 131F (30°-55° Celcius)	Image Size	1920 x 1080
Electronic Shutter 1/15s to 1/50,000s  IR Distance Up to 66ft.  Video Formats HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS  Min. Illumination on Ultux@F1.2(AGC ON),DLux with IR ON  Lens Fixed 2.8mm Lens  Lens Mount M12  S/N Ratio 40dB  Function Control  IMAGE  Day & Night EXT / Auto / Color / BW (Black and White)  Digital WDR Yes  Digital NR Yes (3D DNR)  Auto Gain Control (AGC)  Backlight Compensation (BLC)  Edge Brightness Compensation  Defog No  HLC No  Sharpness Yes  Smart IR (Anti-SAT)  Image Setting  Defect Correction  Auto / Manual  GENERAL  Angle Adjustment  Ingress Protection IPAG  Power Consumption  Ingress Protection IPAG  Power Consumption  Ingress Protection IPAG  Working Environment  22F - 131F (-30°-55° Celcius)		
IR Distance Up to 66ft.  Video Formats HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS  Min. Illumination 0.01lux@F1.2(AGC ON),0Lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Auto / Color / BW (Black and White) Digital WDR Yes Digital WDR Yes Digital NP Yes (3D DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Pes Defog No HLC No Sharpness Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Any Angle Input Voltage DC 12V (£10%) Power Consumption Maximum 3W Ingress Protection [P67]		
Victor Formats HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS  Min. Illumination 0.01lux@F1.2/AGC ON),0Lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC) IMAGE  Day & Night EXT / Auto / Color / BW (Black and White) Digital WDR Yes Digital WDR Yes Digital NR Yes (3D DNR) Auto Gain Control (AGC) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes Defog No HLC No Sharpness Yes Mirror Image Yes Smatt IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Any Angle Input Voltage DC 12V (±10%) Power Consumption Maximum 3W Ingress Protection IP67 Working Briornement - 22F - 131F (-30°~55° Celcius)	Electronic Shutter	1/15s to 1/50,000s
Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS  Min. Illumination 0.01lux@F1.2(AGC ON),DLux with IR ON  Lens Fixed 2.8mm Lens  Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Auto / Color / BW ( Black and White)  Digital WDR Ves Digital NR Yes (3D DNR)  Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes  Mirror Image Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual  GENERAL Angle Adjustment Any Angle Ingress Protection IP67 Working Environment - 22F - 131F (-30°-55° Celcius)		
Min. Illumination 0.01 Lx@F1.2/AGC ON), DLux with IR ON  Lens Fixed 2.8mm Lens  Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Auto / Color / BW ( Black and White) Digital WDR Yes Digital NR Yes (3D DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes Defog No HLC No Sharpness Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction GENERAL Angle Adjustment Any Angle Input Voltage DC 12V (±10%) Power Consumption Next Maximum 3W Ingress Protection IP67 Working Environment - 22F - 131F (-30°~55° Celcius)		
Lens Mount M12 S/N Ratio 40dB Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Auto / Color / BW (Black and White) Digital WDR Yes Digital NR Yes (3D DNR) Auto Gain Control (AGC) Auto White Balance (AWB) Yes Backlight Compensation (BLC) Edge Brightness Compensation Defog No HLC No Sharpness Yes Mirror Image Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Input Voltage Power Consumption Ingress Protection Maximum 3W Norking Environment - 22F - 131F (-30°-55° Celcius)	Frame Rate	HD-TVI / ADH / CVI / CVBS (Analog): 30 FPS
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S/N Ratio 40dB Function Control IMAGE Day & Night EXT / Auto / Color / BW ( Black and White) Digital WDR Yes Digital NR Yes (3D DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes Defog No HLC No Sharpness Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Input Voltage Power Consumption Maximum 3W Ingress Protection IP67 Working Environment -22F - 131F (-30°-55° Celcius)	Lens	Fixed 2.8mm Lens
Function Control  MAGE  Day & Night EXT / Auto / Color / BW ( Black and White)  Digital WDR Yes Digital NR Yes (3D DNR)  Auto Gain Control (AGC) Auto White Balance (AWB) Backlight Compensation Fes Backlight Com		
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Day & Night EXT / Auto / Color / BW ( Black and White)  Digital WDR Yes  Digital WR Yes (3D DNR)  Auto Gain Control ( AGC) Yes  Auto White Balance (AWB) Yes  Backlight Compensation (BLC) Edge Brightness Compensation Yes  Defog No  HLC No Sharpness Yes  Mirror Image Yes  Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Any Angle Input Voltage DC 12V (±10%)  Power Consumption Maximum 3W  Ingress Protection IP67  Working Environment -22F - 131F (-30°~55° Celcius)		OSD, Control over Coax (UTC)
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Digital NR Yes (3D DNR)  Auto Gain Control (AGC) Yes  Auto White Balance (AWB) Yes  Backlight Compensation (BLC) Yes  Edge Brightness Compensation Yes  Defog No  HLC No  Sharpness Yes  Mirror Image Yes  Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Input Voltage Power Consumption Maximum 3W  Ingress Protection Ingress Protection Ingress Protection  Working Environment -22F - 131F (-30°~55° Celcius)		
Auto Gain Control (AGC) Yes  Auto White Balance (AWB) Yes  Backlight Compensation (BLC) Yes  Edge Brightness Compensation  Defog No  HLC No  Sharpness Yes  Mirror Image Yes  Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Input Voltage Power Consumption  Ingress Protection IP67  Working Environment -22F - 131F (-30°~55° Celcius)		
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Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Input Voltage DC 12V (±10%) Power Consumption Ingress Protection Ingress Protection Working Environment -22F - 131F (-30°~55° Celcius)		
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Angle Adjustment Any Angle Input Voltage DC 12V (±10%) Power Consumption Maximum 3W Ingress Protection IP67 Working Environment -22F - 131F (-30°~55° Celcius)		Auto / Manual
Input Voltage DC 12V (±10%)  Power Consumption Maximum 3W  Ingress Protection IP67  Working Environment -22F - 131F (-30°~55° Celcius)	_	
Power Consumption Maximum 3W  Ingress Protection IP67  Working Environment -22F - 131F (-30°~55° Celcius)		
Ingress Protection IP67 Working Environment -22F - 131F (-30°~55° Celcius)		
Working Environment -22F - 131F (-30°~55° Celcius)		
Dimensions 3.92" x 3.32" (100.5mm x 85.2mm)		
	Dimensions	3.92" x 3.32" (100.5mm x 85.2mm)

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