



# **AVC-TB51F28**

NDAA | CE | F@

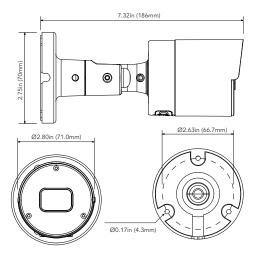
5MP HD-TVI FIXED BULLET CAMERA

#### **OVERVIEW**

- 5MP (2592x1944)
- HD-TVI / CVI / AHD / CVBS (Analog)
- True Day & Night ICR
- Fixed 2.8mm Lens
- Easy-to-Use DIP Switch to Change Formats
- 2D DNR, WDR, BLC
- Smart IR Illumination Up to 66ft
- IP67 ingress protection
- DC12V

#### **DIMENSIONS**

Unit: inch(mm)



## **OPTIONAL ACCESSORIES**



AVM-JB-BE-S1 JUNCTION BOX



AVM-HWM-E-S1 WALL MOUNT WITH JUNCTION BOX



AVM-HCM-E-S1 CEILING MOUNT WITH JUNCTION BOX



AVM-POM-A1 POLE MOUNT BRACKET



AVM-CRM-A1 CORNER MOUNT BRACKET



### **SPECIFICATIONS**

AMBERA Image Sensor 1/2.7" Progressive Scan CMOS Resolution 5 MP Image Size 2592x1944 Video Output 1 channel BNC Video Output Image System PAL, I NTSC Electronic Shutter 1/15 to 1/50,000s IR Distance Up to 66ft. Video Formats HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog) Video Formats HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog) Video Formats HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI /		
Resolution SMP Image Size 2592x1944  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 Format HD-TVI / AHD / CVI / CVBS (Analog): 20 FPS CVBS Analog: 30 FPS Min. Illumination USA Individual System PAL VIDEO Syste	CAMERA	
Image Size	Image Sensor	1/2.7" Progressive Scan CMOS
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 / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog): 20 FPS CVBS Analog: 30 FPS Min. Illumination 0.05 lux F1.2 (AGC ON), 0 lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 Horizontal Filed of View 92.8° S/N Ratio 39dB Function Control OSD, Control over Coax (UTC) INVAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Edge Brightness Compensation Ves Smarl R (Anti-SAT) Yes Mirror Image Yes Smarl R (Anti-SAT) Yes Defect Output Office Additional Control of Manual GENERAL Angle Adjustment Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Imput Voltage Power Consumption Maximum W Ingress Protection   IP67 Working Environment - 22e*-131°F (-30°-55°C)	Resolution	5MP
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 / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog): 20 FPS CVBS Analog: 30 FPS Min. Illumination 0.05 lux F1.2 (AGC ON), 0 lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 Horizontal Filed of View 92.8° S/N Ratio 39dB Function Control OSD, Control over Coax (UTC) INVAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Edge Brightness Compensation Ves Smarl R (Anti-SAT) Yes Mirror Image Yes Smarl R (Anti-SAT) Yes Defect Output Office Additional Control of Manual GENERAL Angle Adjustment Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Imput Voltage Power Consumption Maximum W Ingress Protection   IP67 Working Environment - 22e*-131°F (-30°-55°C)	Image Size	2592x1944
Image System PAL / NTSC Electronic Shutter 1/15s to 1/50,000s IR Distance Up to 66ft. Video Formats HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog): 20 FPS CVBS Analog: 30 FPS CVBS Analog: 30 FPS Min. Illumination .0.5 I ux F1.2 (AGC ON), 0 I ux with IR ON Lens Fixed 2.8mm Lens Lens Mount .M12 Horizontal Field of View 92.8° S/N Ratio .37dB Frunction Control .05D, Control over Coax (UTC) IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (20 DNR) Auto Gain Control (AGC) Yes Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes Minor Image Yes Smart R (Ant-SAT) Yes Image String Yes Smart R (Ant-SAT) Yes Image String Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Manual Adjustment Input Voltage Power Consumption Maximum 4W Ingress Protection   IP67 Working Environment - 22*-131*F (-30°-55°C)		
Electronic Shutter	Image System	PAL / NTSC
Video Formats HD-TVI / AHD / CVI / CVBS (Analog) Frame Rate HD-TVI / AHD / CVI / CVBS (Analog): 20 FPS CVBS Analog: 30 FPS Min. Illumination 0.05 lux F1.2 (AGC ON), 0 lux with IR ON Lens Fixed 2.8mm Lens Lens Mount M12 Horizontal Field of View 92.8° S/N Ratio 39dB Function Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR) Auto Gain Control (AGC) Yes Backlight Compensation (BLC) Yes Backlight Compensation (BLC) Yes Edge Brightness 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 Manual Adjustment Input Voltage D Power Consumption Maximum 4W Ingress Protection Maximum 4W		
Frame Rate	IR Distance	Up to 66ft.
CVBS Analog: 30 FPS  Min. Illumination 0.05 Lux F1.2 (AGC ON), 0 lux with IR ON  Lens Fixed 2.8mm Lens  Lens Mount M12  Horizontal Field of View 92.8° S/N Ratio 39dB  Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Color / BW (Black and White)  WDR Yes Digital NR Yes (2D DNR)  Auto Gain Control (AGC) Yes  Auto White Balance (AWB) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation (Pes One Coax (UTC)  HLC No Sharpness Yes Mirror Image Yes  Smarl R (Anti-SAT) Yes  Image Setting Yes Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment Input Voltage D C 12V (±10%) Power Consumption Maximum 4W Ingress Protection 1P67 Working Environment - 22° -131°F (-30° -55°C)	Video Formats	HD-TVI / AHD / CVI / CVBS (Analog)
Min. Illumination 0.05 lux F1.2 (AGC ON), 0 lux with IR ON  Lens Fixed 2.8mm Lens  Lens Mount M12  Horizontal Field of View 92.8°  S/N Ratio 39dB  Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D 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-SAIT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment - 22° ~ 131°F (-30° - 55°C)	Frame Rate	HD-TVI / AHD / CVI / CVBS (Analog): 20 FPS
Lens Fixed 2.8mm Lens Lens Mount M12 Horizontal Field of View 92.8° S/N Ratio 39dB Function Control OSD, Control over Coax (UTC) IMAGE  Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR) Auto Gain Control (AGC) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation Yes Backlight Compensation Yes Mirror Image Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 4W Ingress Protection IP67 Working Environment - 22°~131°F (-30°~55°C)		CVBS Analog: 30 FPS
Lens Mount M12 Horizontal Field of View 92.8° S/N Ratio 39dB Function Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR) Auto Gain Control (AGC) Auto White Balance (AWB) Backlight Compensation (BLC) Edge Brightness Compensation Pefog No HLC No Sharpness Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Defect Correction Auto Manual Adjustment Input Voltage DC 12V (£10%) Power Consumption Maximum 4W Ingress Protection IP67 Working Environment - 22°~131°F (-30°~55°C)	Min. Illumination	0.05 lux F1.2 (AGC ON), 0 lux with IR ON
Horizontal Field of View S/N Ratio 39dB Function Control OSD, Control over Coax (UTC)  IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR) Auto Gain Control (AGC) Auto White Balance (AWB) Backlight Compensation (BLC) Edge Brightness Compensation Yes Edge Brightness Compensation Function Functi	Lens	Fixed 2.8mm Lens
S/N Ratio 39dB Function Control OSD, Control over Coax (UTC)    MAGE	Lens Mount	M12
Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR)  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 Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	Horizontal Field of View	92.8°
Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR)  Auto Gain Control ( AGC) Yes  Auto White Balance (AWB) Yes  Backlight Compensation (BLC) Yes  Edge Brightness Compensation Yes  Defoq No  HLC No  Sharpness Yes  Mirror Image Yes  Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment Input Voltage Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	S/N Ratio	
Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR)  Auto Gain Control ( AGC) Yes  Auto White Balance (AWB) Yes  Backlight Compensation (BLC) Yes  Edge Brightness Compensation Yes  Defoq 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 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		OSD, Control over Coax (UTC)
WDR Yes Digital NR Yes (2D 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 Input Voltage Power Consumption Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)	IMAGE	
Digital NR Yes (2D DNR)  Auto Gain Control ( AGC) Yes  Auto White Balance (AWB) Yes  Backlight Compensation (BLC) Yes  Edge Brightness Compensation Yes  Defoq 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 DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	Day & Night	EXT / Color / BW (Black and White)
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 DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	WDR	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 Defect Correction Auto / Manual  GENERAL  Angle Adjustment Input Voltage DC 12V (±10%) Power Consumption Ingress Protection Ingress Protection Ingress Protection Ingress Protection Ingress Protection Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
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 Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	Auto Gain Control (AGC)	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 Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	Auto White Balance (AWB)	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 Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		Yes
HLC No Sharpness Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual  GENERAL Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)	Edge Brightness Compensation	Yes
Sharpness Yes 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 Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Mirror Image Yes  Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	HLC	No
Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
Image Setting Yes Defect Correction Auto / Manual  GENERAL Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		Yes
Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 4W Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	Smart IR (Anti-SAT)	Yes
GENERAL  Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
Angle Adjustment Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 4W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		Auto / Manual
Input Voltage DC 12V (±10%) Power Consumption Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Power Consumption Maximum 4W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Working Environment -22°~131°F (-30°~55°C)		
Dimensions 7.32x2.75in (186x70mm)		
	Dimensions	7.32x2.75in (186x70mm)