



# **AVC-TE81F28**

NDAA | CE | F@

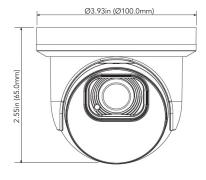
8MP HD-TVI FIXED TURRET CAMERA

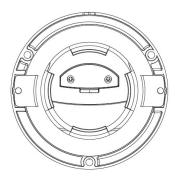
#### **OVERVIEW**

- 8MP (3840x2160)
- HD-TVI / CVI / AHD / CVBS (Analog)
- True Day & Night ICR
- Fixed 2.8mm Lens
- Easy-to-Use DIP Switch to Change Formats
- 2D DNR, 3D 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-CWM-EV-S1 COMPACT WALL MOUNT



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**

CAMERA   Image Sensor   1/2 7" Progressive Scan CMOS		
Resolution   BMP     Image Size   3840/2160     Video Output   Channel BNC Video Output     Image System   PAL / NTSC     Electronic Shutter   Viss to 1/50,000s     R Distance   Up to 66ft     Video Format   HD-TM / ADH / CVI / CVBS (Analog)     Frame Rate   HD-TM / ADH	CAMERA	
Image Size 3840x2160	Image Sensor	1/2.7" Progressive Scan CMOS
Video Cutput   1 channel BNC Video Output	Resolution	8MP
Video Cutput   1 channel BNC Video Output	Image Size	3840×2160
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) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog) SVBS 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 105.41* S/N Ratio 36dB Frunction Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (ZD DNR / 3D DNR) Auto Gain Control (AGC) Backlight Compensation (BLC) Edge Brightness Compensation Yes Edge Brightness Compensation Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Mirror Image Yes Smart IR (Anti-SAT) Yes Image Setting Yes Defect Correction Auto / Manual GENERAL Angle Adjustment Manual Adjustment Input Voltage DC 122*-131*F (-30*-55*C)		
Video Formats HD-TVI / ADH / CVI / CVBS (Analog) Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 15 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 105.41° S/N Ratio 36dB Function Control OSD, Control over Coax (UTC) MAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR / 3D DNR) Auto Gain Control (AGC) Yes Backlight Compensation (BLC) Yes Backlight Compensation (BLC) Yes Edge Brightness Compensation (BLC) 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 5W Ingress Protection Maximum 5W Ingress Protection Maximum 5W University April 1976 University April 1976 Maximum 5W Norking Environment - 22° - 131°F (-30° - 55°C)		
Frame Rate HD-TVI / ADH / CVI / CVBS (Analog): 15 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 105.41° S/N Ratio 36dB Founction Control OSD, Control over Coax (UTC) IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR / 3D DNR) Auto Gain Control (AGC) 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 Manual Adjustment Input Voltage D C 12V (±10%) Power Consumption Maximum 5W Ingress Protection 1P67 Working Environment - 22° -131°F (-30° -55°C)	IR Distance	Up to 66ft.
CVBS Analog: 30 FPS  Min. Illumination 0.05 Lw @ F1.2 (AGC ON), 0 lux with IR ON  Lens Fixed 2.8mm Lens  Lens Mount M12  Horizontal Field of View 105,41°  S/N Ratio 36dB  Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR / 3D DNR)  Auto Gain Control (AGC) Yes  Backlight Compensation (BLC) Yes  Edge Brightness Compensation (BLC) Yes  Edge Brightness Compensation (BLC) No  Sharpness Yes  Mirror Image Yes  Smart IR (Anti-SAT) Yes  Image Setting Yes  Defect Correction Auto / Manual Adjustment  Input Voltage Dc 12V (=10%)  Power Consumption Maximum 5W Ingress Protection 1P67  Working Environment - 22° -131°F (-30° -55°C)	Video Formats	HD-TVI / ADH / 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 105.41° S/N Ratio 36dB  Function Control OSD, Control over Coax (UTC) IMAGE  Day & Night EXT / Color / BW (Black and White) WDR Yes  Digital NR Yes (2D DNR / 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-SAIT) Yes  Image Setting Yes Defect Correction Auto / Manual GENERAL  Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 5W Ingress Protection IP67  Working Environment - 22° ~ 131°F (-30° - 55°C)	Frame Rate	HD-TVI / ADH / CVI / CVBS (Analog): 15 FPS
Lens Mount M12  Horizontal Field of View 105.41°  S/N Ratio 36dB  Function Control OSP, Control over Coax (UTC)  IMAGE  Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR / 3D DNR)  Auto Gain Control (AGC) 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 Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum SW  Ingress Protection IP67  Working Environment - 22°~131°F (-30°~55°C)		CVBS Analog: 30 FPS
Lens Mount Horizontal Field of View 105.41° S/N Ratio 3ddB Function Control IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR / 3D DNR) Auto Gain Control (AGC) Auto White Balance (AWB) Backlight Compensation (BLC) Edge Brightness Compensation Pefog No HLC No Sharpness Mirror Image Smart IR (Anti-SAT) Image Setting Defect Correction Auto Manual Adjustment Input Voltage Dever Consumption Ingress Protection Ingress Protection Ingress Protection Ingress Protection 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 36dB Function Control OSD, Control over Coax (UTC)  IMAGE Day & Night EXT / Color / BW (Black and White) WDR Yes Digital NR Yes (2D DNR / 3D DNR) Auto Gain Control (AGC) Auto White Balance (AWB) Backlight Compensation (BLC) Edge Brightness Compensation Yes Edge Brightness Compensation Whice Alance (AWB) HLC No Sharpness Mirror Image Yes Smart IR (Anti-SAT) Image Setting Defect Correction Auto / Manual GENERAL Angle Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum SW Working Environment - 22°~131°F (-30°~55°C)	Lens	Fixed 2.8mm Lens
S/N Ratio 36dB Function Control OSD, Control over Coax (UTC)    MAGE		
Function Control OSD, Control over Coax (UTC)  IMAGE  Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR / 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 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)	Horizontal Field of View	105.41°
Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR / 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 Manual Adjustment Input Voltage Power Consumption Maximum 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
Day & Night EXT / Color / BW (Black and White)  WDR Yes  Digital NR Yes (2D DNR / 3D 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 Defect Correction Auto / Manual  GENERAL  Angle Adjustment Input Voltage DC 12V (±10%)  Power Consumption Maximum 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		OSD, Control over Coax (UTC)
WDR Yes Digital NR Yes (2D DNR / 3D DNR)  Auto Gain Control ( AGC) Yes Auto White Balance (AWB) 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 5W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)	IMAGE	
Digital NR Yes (2D DNR / 3D 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 5W  Ingres 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 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 DC 12V (±10%)  Power Consumption Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
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  GENERAL  Angle Adjustment Input Voltage DC 12V (±10%) Power Consumption Ingress Protection Ingress Protection Ingress Protection Ingress Protection 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 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		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 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
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 5W 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 5W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
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 5W 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 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
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 5W  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 5W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Defect Correction Auto / Manual  GENERAL  Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 5W Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		
GENERAL Angle Adjustment Manual Adjustment Input Voltage DC 12V (±10%) Power Consumption Maximum 5W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Angle Adjustment Manual Adjustment  Input Voltage DC 12V (±10%)  Power Consumption Maximum 5W  Ingress Protection IP67  Working Environment -22°~131°F (-30°~55°C)		Auto / Manual
Input Voltage DC 12V (±10%) Power Consumption Maximum 5W Ingress Protection IP67 Working Environment -22°~131°F (-30°~55°C)		
Power Consumption Maximum 5W 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 Ø3.93x2.55in (Ø100x65mm)		
	Dimensions	Ø3.93x2.55in (Ø100x65mm)