

## Features

This SDI is a 1080P cameras are equipped with a Panasonic CMOS sensor combined with a TAMRON high-quality glass lens with 12x/20x/30x optical zoom. Control these cameras over RS232/485 with any third party controller that supports Visca, Pelco-P/D protocols.

HDMI, IP, 3G-SDI simultaneously output.

### AVL-HD612

### AVL-HD620

### AVL-HD630

Camera			
Video CMOS Sensor	1/2.7", CMOS, Effective Pixel: 2.07M		
Frame Rate	1080P60/50/30/25,1080I60/50,720P60/50/30/25, 480I60, 576I50		
Lens Zoom	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8	30x, f4.42mm ~ 132.6 mm, F1.8 ~ F2.8
Horizontal Field of View	72.5° ~ 6.9°	3.36°(T)-60.7°(W)	60.7° ~ 2.28°
Vertical Angle of View	44.8° ~ 3.9°	34.1° ~ 1.89°	34.1° ~ 1.28°
Min Lux	0.05 lux @ (F1.8, AGC ON)		
Shutter Speed	1/30s to 1/10000s		
White Balance	Auto, Indoor, Outdoor, One-Push, Manual		
Backlight Compensation	Support		
Digital Noise Reduction	2D&3D Digital Noise Reduction		
Video S/N	≥55dB		
Image Freeze	Support		
Ceiling Installation	Supported		
Vertical Flip & Mirror	Supported		
Working environment	INDOOR		
Mechanical			
Pan Rotation Angle	±170°		
Tilt Rotation Angle	-30°~ +90°		
Pan Speed (per second)	1.7° ~ 100°/s		
Tilt Speed (per second)	1.7° ~ 69.9°/s		
Presets	255 Presets		
Number of Preset	0.1°		
PTZ Control Protocol	Sony VISCA and PELCO D/P		
IP Features			
Video Compression	H.265/H.264/MJPEG		
H.265 Profiles	Main		
H.264 Profiles	Base, Main, High		
Web stream	Main stream, sub stream		
Main Stream Resolution	1920x1080, 1280x720, 1024x576		
Sub Stream Resolution	720x576, 720x480, 320x240		
Bit Rate	128K, 256K, 384K, 512K, 768K, 1024K, 1536K, 2048K,3072K, 4096K, 5120K, 6144K, 8192K optional, customize		
Bit Rate Type	Variable Rate, Fixed Rate		
Audio Compression	AAC		
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps		
Support protocols	TCP/IP, HTTP, RTSP, RTMP, DDMS, PPPoE, SMTP, UPnP, SNMP, Onvif, DHCP, Multicast, etc.		
Video Stream	Main Stream, Sub Stream		

Frame Rate 50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps

## Interface

HDMI Output	Version 1.3
SDI output	3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M
SD Output	CVBS: 3.5mm mini jack, 1Vp-p, 75Ω, only 480i or 576i, not simultaneous with other outputs
Network Interface	RJ45: 10M/100M Adaptive Ethernet Ports
Audio Interface	1-ch: 3.5mm Audio Interface, Line In, for IP embedding
USB	Type A female jack, for firmware update
RS232 In	8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
RS232 Out	8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
RS485	2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P JEITA type (DC IN 12V)

## General

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Power Consumption	12W (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Color	Dark Gray, White
Dimensions (W x H x D)	169mm x 142mm x 164mm
Weight	1.35 kg
Included	Remote Control/RS232 cable/Power
Option	PoE, NDI HX

