AVC-VA91MLT
HD TVI / EX SDI & HD SDI / ANALOG

HD OVER COAX & UTP

Smart IR™
Equipped with Smart IR™ technology which prevents overly exposed image due to IR reflection. It also balances out the night time image if IR is being reflected off of a closer object.
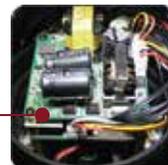
High Quality DC Iris Varifocal Lens
High quality DC Iris 4x Megapixel Zoom Lens (2.8-12mm) provides superior picture quality which is very important for today's high definition cameras.
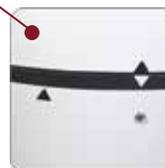(Available on "VLT" models only)

HD-TVI
EX-SDI & HD-SDI
DC12V/AC24V ISOLATED POWER

Dual HD Video Output
Both EX-SDI/HD-SDI and HD-TVI output provide Full HD @ 30fps real-time video simultaneously. This feature allows to connect up to 2 High Definition DVR's or 1 High Definition DVR and 1 Live High Definition TV/Monitor at the same time.

Heater & Thermostat Module
Camera has on-board heater & thermostat module which allows continuous operation on temperature -22 degrees in Fahrenheit.

IDP™ Isolation Dual Power
Our patent pending IDP™ Isolation power will provide power to the camera more efficiently and safely by protecting the camera from surge, gound noise, and etc.
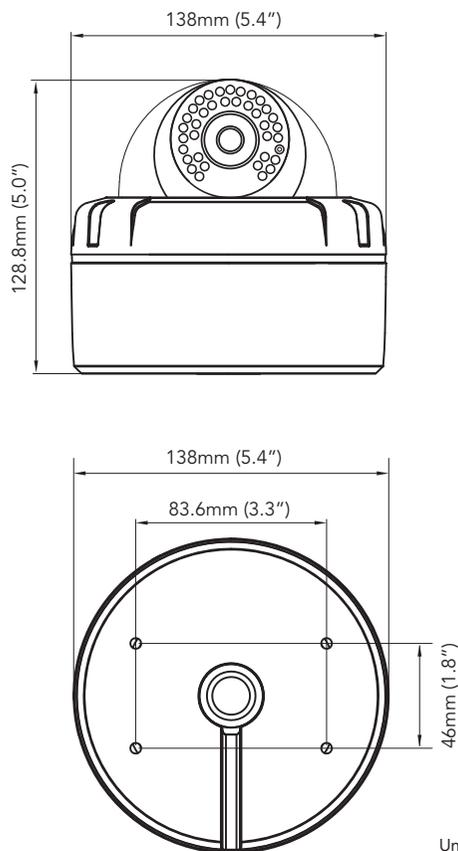
AQUA-SEAL™ Design Rated for IP68
Fully water-sealed for harsh weather environment and protects from corrosion that commonly appears on conventional cameras.

Twist-Lock™ Base Tray (Included)
Hassle free twist and lock design saves time during installation. It also has enough room for cable storage and can be used as a junction box.

Vandal Proof Dome   The camera housing is made with industrial strength steel-alloy metal with high quality poly-carbon dome cover protecting from most severe vandalism.

138mm (5.4")
128.8mm (5.0")

138mm (5.4")
83.6mm (3.3")
46mm (1.8")

Unit : mm (inch)

DESCRIPTION	AVC-VA91MLT
Image Sensor	1/2.9" 2.4 Megapixel Sony Exmor CMOS
Image Resolution	1920 × 1080
Scanning System	Progressive
Video Output	HD-TVI, EX-SDI / HD-SDI, CVBS (OSD Selectable)
S/N Ratio	More than 52dB
Min. Illumination	0.02Lux (Sens-up x32)
Iris Adjustment	ALC / ELC
Lens	2.8 ~ 12mm MP Varifocal Lens (ICR)
Electronic Shutter	NTSC: Auto (1/30 ~ 1/60,000) PAL: Auto (1/25 ~ 1/60,000) FLK
OSD Language	English / Chinese / Japanese / Korean
Backlight Compensation (BLC)	Yes
Day & Night	Color / B/W / External / Auto
WDR	True WDR
Auto Gain Control (AGC)	Level (0 ~ 20) Adjustment
White Balance	Auto / Auto-EXT / Preset / Manual
Privacy Masking	On / Off (Programmable 16 zones)
DNR	Off / Low / Middle / High
Smart IR (Anti-SAT)	Anti-SAT (0 ~ 20) Adjustment
LSC	On / Off
Gamma	0.45 / 0.5 / 0.55 / 0.6 / 0.65
Defog	On / Off
Digital Zoom	On / Off (x1 ~ x8.0)
Defect Correction	Live DPC / DPC Set (Dead Pixel Correction)
Sens-up	Off / x2 ~ x32
Motion Detection	4 Areas
Digital Effect	Off / V-Flip / Mirror / Rotate
RS-485	Yes, UTC (Up-the-Coax)
IR LED	36pcs (95ft.*)
Input Voltage	DC 12V
Power Consumption	DC IR Off: 200mA (Max.) / DC IR On: 450mA (Max.)
	AC IR Off: 190mA (Max.) / AC IR On: 350mA (Max.)
Operating Environment	-22°F ~ 140°F (-30°C ~ 60°C) / 10% ~ 90% Relative Humidity

*IR distance range varies depending on the environment