

# VANGUARD HD

Revolutionary HD IR Camera Sports  
Built-in, Swing-out Junction Box.



CAMERA SYSTEM	TV System	NTSC (50Hz) / PAL (60Hz)
	Image Device	1/3" Panasonic CMOS
	Scanning System	Progressive Scan
	Total Pixels	2010(H) x 1108(V) : 2.2Mega pixel
	Effective Pixels	1944(H) x 1092(V) : 2.1Mega pixel
	Lens	3.5-16mm Mega Pixel Lens
	Day & Night System	ICR (Mechanism Filter Mountable)
	Min. Illumination	0.1 lux @ F1.4, 30IRE
	SDI FORMAT	1080P/ 720P
	SDI FPS	30/ 25@1080p, 60/ 50@720p
	CVBS SCALE	FULL/ CUT
	CVBS OUT	OFF/ ON
	Sync System	Internal
VIDEO	Electronic Shutter	60Hz : 1/30-1/30,000sec. 50Hz : 1/25-1/30,000sec
	Output 1 Output 2	1 HD-SDI CVBS (NTSC, PAL) without WDR
OSD	Resolution & frame rate	Digital: 1080@30p/25p, 720@60p/50p Analog: 720TVL
	On Screen Display	Built-in
EXPOSURE	Language	English
	BRIGHTNESS	0 - 20
	AGC	0 - 20
WHITE BALANCE	SHUTTER MODE	AUTO/MANUAL
	SHUTTER SPEED	1/30(25), 60(50), 120(100), 250, 700, 1K, 1.6K, 5K, 7K, 10K, 30K
WDR / BLC / ACE	SENS-UP	OFF/ X2/ X3/ X4
	MODE	AUTO/ PUSH LOCK/ MANUAL
DNR	MANUAL MODE	COLOR TEMP/ RED GAIN/ BLUE GAIN
	MODE	OFF/ WDR/ BLC/ ACE
DAY & NIGHT	BLC POS X, Y	0 - 20
	BLC SIZE X, Y	0 - 20
IMAGE	MODE	OFF/ LOW/ MIDDLE/ HIGH
	DWELL TIME	AUTO/ EXT/ COLOR/ B&W
	D->N LEVEL	1 - 10sec
	N->D LEVEL	0 - 20
SPECIAL	SHARPNESS	0 - 20
	COLOR LEVEL	0 - 20
	MIRROR	OFF/ ON
	FLIP	OFF/ ON
POWER & ENVIRONMENTAL	LENS SHADING	OFF/ ON
	D-ZOOM	1 - 40X
	COMM ADJUST	CAM ID/ BAUD RATE/ 485 TERM.
	PRIVACY	OFF/ ON (position, size, color adjustable)
DIMENSION	HLM	OFF/ ON (level, color adjustable)
	SMART IR	On /Off
	MOTION	OFF/ ON (sensitivity adjustable)
	OPERATING TEMP./HUM.	Fan / Heater type -40C--+70C / 30%-80% RH
WEIGHT	STORAGE TEMP./HUM.	-20C--+60C / 20%-90% RH
	POWER	Dual Voltage (DC:10V-30V, AC:10V-28V)
	POWER CONSUMPTION	DC: Max. 7W, AC: Max. 9W DC: Max. 500mA, AC: Max. 350mA
	IR LED	Round 40pcs (30deg)
WEIGHT	DIMENSION	98(W) X 88.5(H) X 149(L)
	WEIGHT	1kg



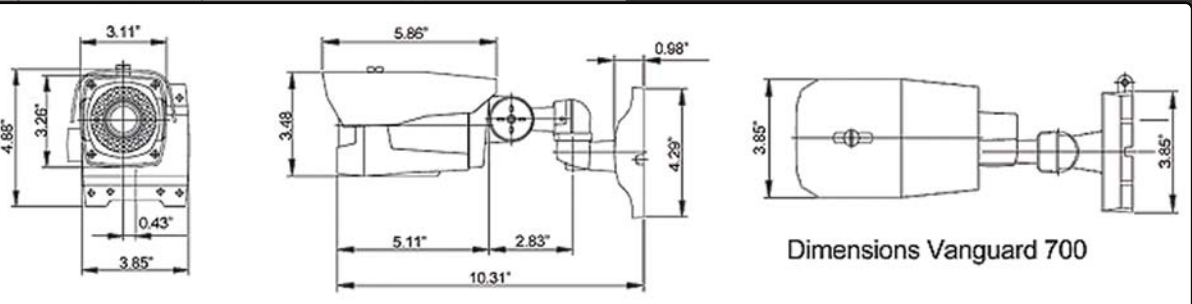
Fan & Heater



Ext. Zoom & Focus



OSD Menu Flip Panel



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