

Data Sheet	PHD-02X 1/3" CMOS 1920x1080 60p Full HD Zoom Camera module	No.
		Issued
		Page 1/1

## 1. Features

- Full HD (1920x1080) AF20x Zoom camera module
- Full HD(1920 x 1080/60p,50p, 30p, 25p, 720p)available
- Newly-developed "Wide Dynamic Range" embedded
- LVDS, HD/3G-SDI interface available
- True D/N Embedded



## 2. Specifications

Item	Description
Image sensor	1/3" Bayer CMOS AltaChrome A3372-4T
Effective No. of pixels	2.1 Mega pixels
Signal Output	HD : 1080/ 60p, 50p, 30p, 25p, 24p, 60i, 50i, 30i, 25i 1080/ 59.94p, 29.97p, 23.97p, 59.94i 720/ 60p, 50p, 30p, 25p 720/ 59.94p, 29.97p  SD : NTSC (Crop); PAL (Crop)
Video Output	HD/3G-SDI, LVDS + TV composite
Lens	20x optical zoom f=4.7mm (Wide) to 94.0mm (Tele) / F1.6 to F3.5
Horizontal Angle of View	59.4° (Wide) to 3.0° (Tele)
Digital Zoom	12x (240x with optical zoom)
Min Illumination	Color 0.5 lux ((1/30 sec, Gain + 32dB) B/W 0.02 lux (1/2sec, Gain + 32dB) <1080p30, be measured at F1.6 (Wide end)>
WDR	80dB (at WDR ON)
Electronic Shutter	2 sec - 1/10,000 sec
Gamma Correction	0.3/0.45/0.6(Default)/0.8/1.0
Gain	0dB, 3dB, 6dB, 12dB, 17dB, 21dB, 26dB, 32dB (8 steps)
ICR	AUTO/ MANUAL
White Balance	Auto / ATW / Indoor / Outdoor / One push / Manual
Privacy Masking	8 targets
Flip	Vertical/ Horizontal
Sync System	Internal External (CSYNC, HDTV-SYNC) <Option>
Communication Protocol	VISCA / Pelco-D (Setting by OSD)
Power Consumption	6 to 13.5 V DC
Dimensions (W x H x D)	50 x 65 x 88mm
Weight	Approx 290g (with Chassis)

		Approved	Examined	Issued
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