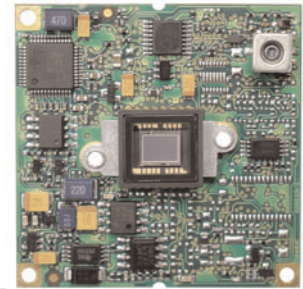


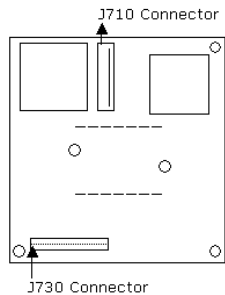


Camera Features

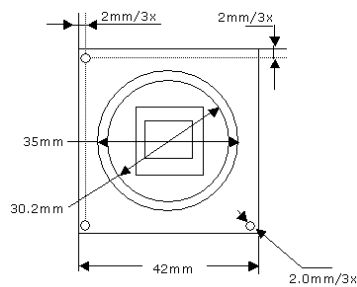
- Asynchronous Reset
Single & Double Pulse Mode
- Digital & Analog Outputs
- High Resolution 570 TVL
- H&V Sync, HD/VD
- Interlaced/Non-interlaced
- Mirror Mode
- Frame Rate Option (75 Hz)
- Computer Controllable Via I²C
- Near IR Sensitive



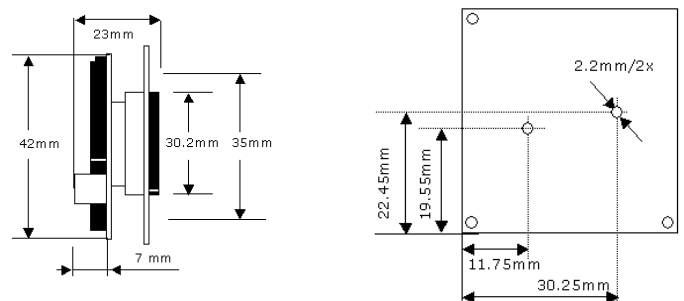
Rear View



Front View 20D389 CS Mount



Side View 20D389 CS Mount



Technical Specifications

Electrical

	20D386 20D389 EIA	21D386 21D389 CCIR
CCD sensor	1/3" IL CCD, Sony Ex-View®	
Active pixels (HxV)	768 x 492	752 x 582
Horizontal resolution	570 TVL CVBS	
Sensitivity	.001 lux (30 IRE) F1.2, lens transmission 80%, Lens reflection 75%, near IR sensitive	
Signal to noise ratio	> 54 dB (AGC off)	
Gamma	Default 0.45, 1.0 selectable via software	
Gain	Automatic (36 dB default), Manual/fixd via software	
Synchronization input	Internal crystal coupled, H&V lock, Line lock	
Synchronization output	H Ref (Hor. Sync) V Ref. (Vert Sync), Pixel clock for digital video asynchronous reset, Single & double pulse mode	
Back light compensation	Off default, on selectable via software	
Shutter speed	Automatic 1/50 to 1/100,000	Automatic 1/60 to 1/100,000 8 Fixed speeds via hardware 11 Speeds via software
Scan mode	Interlaced default, non-interlaced, 75 Hz option specific model, - see app. note	
Contour enhancement	Default on Selectable horizontal and vertical via software	
Iris	CCD Iris default, video iris @ 1Vp-p, DC iris output via option board (60PB24VDL)	
Video output Analog	Composite 1Vp-p video (75 ohms)	
Video output Digital	8 Bit luminance	
Power supply	12VDC, +3V / -4V	
Power consumption	<1.5 W	

Environmental

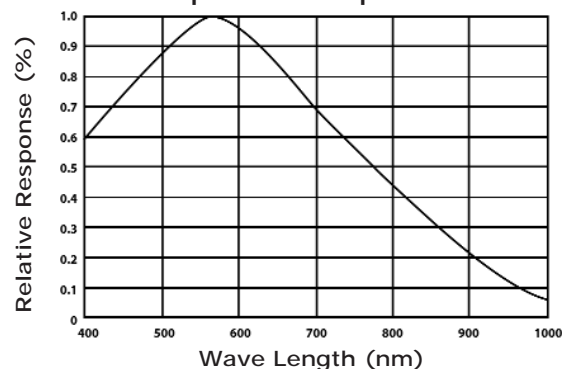
Ambient operating temp.	-15° C ~ 55° C
Storage temp.	-25° C ~ 70° C

Mechanical

Dimensions WxHxD	42 x 42 x 13.4mm
Lens mount	20D386 / 21D386 Metal M-12 board lens mount with reference plate 12mm diameter, 0.5mm pitch
	20D389 / 21D389 Metal CS mount with reference plate: Optional C mount with interface ring 60VZZ0030
Interfaces	Analog 13 Pole AMP Digital 24 pole flex foil connector

Software control program available via I²C. Open architecture CPLD allows application specific programming interfaces. Refer to application note on our website: www.videologyinc.com

Spectral Response



All data subject to change without notice.

06/27/07 PDS-20D386/389 Rev F

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