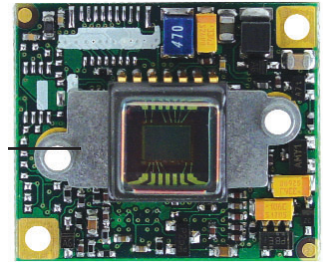




### Camera Features

- Ultra Small Mini-Board 22mm x 26mm
- Delivers 330 TVL, Composite Video Output
- Mirror Mode Option
- Optional Composite Blanking Signal
- Software Controllable
- Lens Mounts: Metal CS, M12 Board or Pinhole



Metal CCD underplate

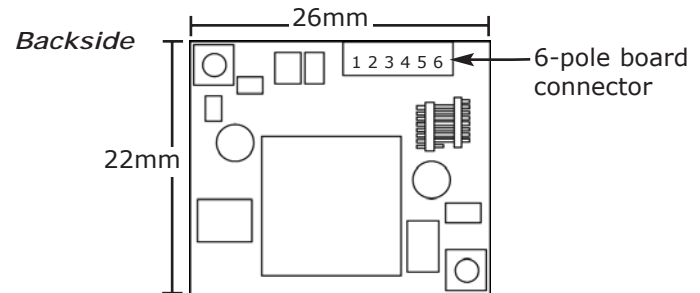
Frontside without lens mount

### Technical Specifications

Electrical	20K14X NTSC	21K14X PAL
CCD Sensor	1/4" IL CCD	
Active pixels (HxV)	510 x 492	500 x 582
Resolution	≥330 TVL	
Sensitivity	< 0.5 Lux (50 IRE) F1.2 3200K, lens transmission 80%, scene reflection 75% .05 lux in night mode* (20K14XDN)	
Signal to noise ratio	50 dB (AGC off)	
Gamma	0.45 default (1.0 via software)	
Gain control	Automatic 36 dB (AGC default) or Fixed options via software	
Scan mode	Interlaced / Non Interlaced (selectable via software)	
Mirror mode	Selectable via software	
Synchronization	Internal	
Back light compensation	Default on (selectable via software)	
White balance mode	AWB auto white mode, Fixed modes selectable via software	
Contour enhancement	Default on	
Iris control	CCD Iris default	
Shutter speeds	Automatic from 1/60 to 1/100,000	Automatic from 1/50 to 1/100,000 14 fixed speeds via software
Video output	Composite 1Vp-p CVBS (75 ohms)	
Control communication	I <sup>2</sup> C control	
Power supply	5VDC ± 5% (not polarity protected)	
Power consumption	< 0.8 W	

### Mechanical

Dimensions (WxHxD)	26mm x 22mm x 12mm without lens		
Lens mounts	Replace "X" in model number with desired lens mount option:		
Example: Change 20K14X to 20K145 to select an M-12 Board Mount.	2 = Metal M-12 Pinhole	5 = Metal M-12 Board	8 = Metal CS Board
Connectors standard:	Power/ Video/ Communication	6-pole Board connector	
Cables supplied	6-pole mate for power and video with flying leads		



### Environmental

Ambient operating temp.	-15° C to + 55° C
Ambient operating humidity	20 up to 93%RH
Storage temp.	-25° C to + 70° C
Storage humidity	Up to 98%RH
Lifetime	MTBF > 150000
Packaging	ESD safe package

### Accessories for Software Control

Communication kit includes:	Model 60K1
Communication board	72V0012B
Cable 1:	Camera / com board 60C1045
Cable 2:	Com board to 25 pin computer connector 60C0102
Camera control software	SFT-03001

### Complementary Models

20K14X	Standard resolution, CVBS
20K14XCB	Blanking pulse access
20K14XYC	S-Video Y/C
20K14XDIG	YUV 8-bit digital output
20K14XUSB	USB 2.0 dual board
20K14XDN	Day/night
* 20K14XV	12VDC dual board
* 20K14XVDN	12VDC, day/night dual board
20K15X	High resolution, CVBS
20K15XYC	High resolution, S-Video Y/C
20K15XDIG	High resolution, YUV 8-bit digital output
20K15XUSB	High resolution, USB 2.0 dual board
20K15XDN	High resolution, day/Night
20K15XV	High resolution, 12VDC dual board
20K13X	High resolution, B&W Sony Ex-view®, CVBS
20K13XUSB	High resolution, B&W Sony Ex-view®, USB 2.0 dual board

X = lens mount option (refer to Mechanical)

\* Audio option: Equipment with audio recording capabilities is intended to be used only for legal and proper purposes. The customer assumes all liability related to legal and proper use per VIS waiver FOR-03-032.

06/27/07 PDS-20K14X REV G

All data subject to change without notice.

Videology® Imaging Solutions, Inc.

37M Lark Industrial Parkway  
Greenville, Rhode Island 02828 USA  
Tel: (401) 949 - 5332 Fax: (401) 949 - 5276  
North/South American Sales: Sales@videologyinc.com



Videology® Imaging Solutions, Europe B.V.

Neutronenlaan 4  
NL-5405 NH Uden, Netherlands  
Tel: +31 (0) 413 256261 Fax: +31 (0) 413 251712  
European Sales: Info@videology.nl