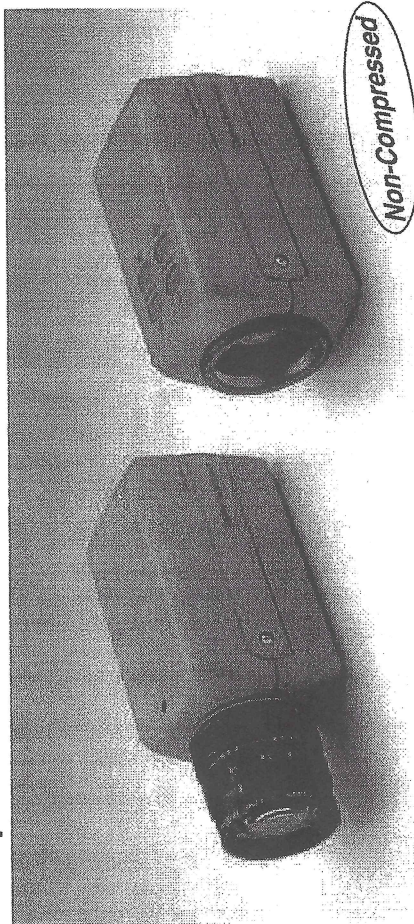


SONY

DIGITAL CAMERA MODULE

DFW-V500 DFW-VL500

Component / OEM



OUTLINE

The DFW-V500/VL500 is a fully digital camera which adopts the IEEE1394-1995 standard. Both cameras incorporate the latest 400 Mbps chip set and feature Sony's Wfine CCD™ which integrates a primary color filter ensuring high color accuracy square pixels and Progressive Scan technology which provides sharp, high resolution images, even of fast moving objects. Also, both models include an external trigger mode for asynchronous trigger operation that provides jitter-free pictures since the camera acquisition can be synchronized to full random events.

Through the IEEE1394-1995 high performance serial bus, the DFW-V500/VL500 presents 30 fps in VGA (640x480) resolution format.

The DFW-V500 has a C type lens mount while the DFW-VL500 includes a 12x zoom lens with motorized zoom, iris and focus.

A latching 6-pin IEEE1394 connector is used to output the digital image, to power the camera and to control all functions of the camera through a computer.

*"Wfine CCD™" is a trademark of Sony Corporation.

- External Trigger
- Wfine CCD™

HIGHLIGHTS

- IEEE1394
- External Trigger
- Wfine CCD™
 - Primary Color Filter
 - Progressive Scan
 - Square Pixel
- VGA (640x480), Non-Compressed YUV(4:2:2) Digital Output
- 30 fps Full Motion Picture
- 400 Mbps, High Speed Data Transfers
- Aluminum Diecasting Chassis
- Supplied 6pin Cable with Latch Connector

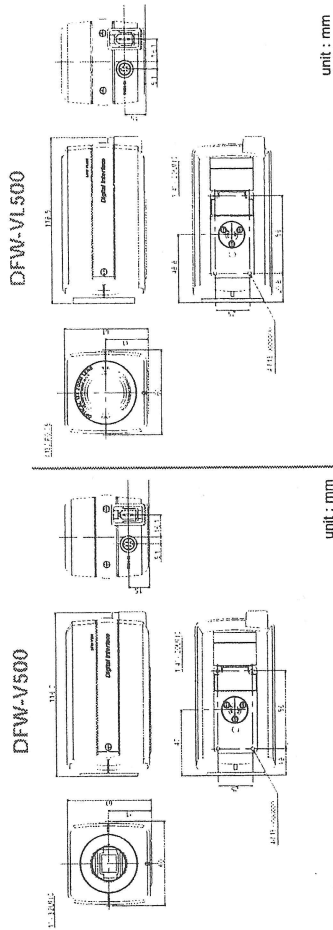
IEEE1394

**Digital Makes
The Difference**

SPECIFICATIONS

	DFW-V500	DFW-VL500
Interface Format	IEEE1394-1995	
Data Format	640x480 YUV(4:2:2), YUV 8bit each 640x480 YUV(4:1:1), YUV 8bit each	320x240 YUV(4:2:2), YUV 8bit each 160x120 YUV(4:4:4), YUV 8bit each
Frame Rate	3.75, 7.5, 15.0, 30 fps and one shot	
Image Device	1/3" Wfine CCD™	
Mini. Sensitivity	6 lx (F1.2)	14 lx (F1.8)
White Balance	ATW, One Push, 3200°K, 5600°K, Manual	
Shutter Speed	5-1/15, 1/30-1/100000 sec.	
Gamma	ON/OFF1/OFF2	
Sharpness	Adjustable	
Hue	Adjustable	
Saturation	Adjustable	
Brightness	Adjustable	
Gain	Automatic and Manual Control	
Lens Control	N/A, C mount	12x Zoom Lens, Automatic and Manual
Power	Supplied through IEEE1394-1995 Cable (8 to 30vdc), 4W	
Op. Temp./Sto. Temp.	-10 to +50°C/-20 to +60°C	
Weight	305g	335g
Supplied Accessory	IEEE1394-1995 Cable with Latch Connector, (6pin), 4pin Connector	

DIMENSIONS



NOTICE

- If the PC does not have an IEEE1394 connector, a Host Adapter Card is needed.
- The DFW-V500/VL500 does not come with any application software or drivers.
- The use of the software with customer developed application software may damage hardware, application program and camera. Sony Corporation is not liable for any damages under these conditions.

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Design and specifications are subject to change without notice.