



A stand alone digital color microscope camera with networking capability for viewing high resolution images from local or remote locations.

Ideal for image transfer and analysis over a network for biomedical, industrial, and other applications.



- *High performance, wide dynamic range (12 Bit A/D), fast image acquisition*
- *15 frames/second, 1.3 million pixel image capture at SXGA display resolution, 1280 x 960*
- *Stand alone - no computer connection required for operation*
- *Computer platform and operating system independent, connects directly to PC's, MAC's, UNIX, SGI, SUN via 10 Base-T network connection*



- *Quick setup, simultaneous viewing on local and remote locations*
- *Easy storage of images to compact flash media or FTP server*
- *Easy, intuitive operation*

# Dn100

## DIGITAL NETWORK CAMERA

### Quick setup, Simultaneous viewing

- Attaches directly to LAN/WAN or the internet via a 10 Base-T cable allowing simultaneous viewing between local and remote sites
- No PC or special software required to capture and transfer images
- Remote operation of the camera is possible through an Internet Browser application
- Images can be acquired and viewed while simultaneously transferring them to remote locations
- Sharing information in real time is possible
- Viewing conditions can also be adjusted by receiving parties

### Fast-Acquisition, high resolution images

- Captures images with 1.3 million-pixel (1280x960) SXGA picture quality at a rate of 15 frames/second.
- Captured images can be transferred to networked parties simultaneously, as fast as 1 frame/2 seconds

### Easy storage of images

- Images can be stored on a type 2 Compact Flash card or directly to an FTP server enabling easy data transfer

### Easy, intuitive operation

- Firmware operated using a mouse or control panel
- Electronic zoom in 8 steps
- Auto scale bar feature calibrated in pixels
- Ability to draw on image
- Integration to 4 seconds
- Gamma control
- Color Gain control
- Sharpness control
- 3 Auto exposure modes plus manual
- Time lapse
- SXGA/XGA resolution display
- 12 bit dynamic range
- Split screen display option
- Noise reduction
- Shading correction
- Store-recall to card/ Store-recall to server
- Remote operation through LAN/ WAN

### Specifications

CCD	1/2.72-in. high density CCD; total number of pixels: 1.3 million
Output image size	1280x960 pixels (max.) SXGA equivalent
Frame rate	15 frames/sec. (max.)
Sensitivity	2000 lx F5.6 or greater; equivalent to ISO 160 or greater
Resolution	SXGA mode: Approx. 800 TV lines XGA mode: Approx. 640 TV lines
Lens mount	C mount (distance from mount plane to inside of the camera must be less than 8 mm)
Exposure control	Program AE (adjustable), Shutter-priority AE, Manual
Exposure metering	Center-weighted average metering
Exposure time	1/4000 to 4 sec.
Output format	Analog RGB; SXGA mode (1280x1024, 60 Hz), XGA mode (1024 x 768, 60 Hz)
A/D exchange	12 bits
Sync signal	TTL/1kQ
Color temperature range	2800-6800K
White balance	Can be set from the menu; Color adjustable
PC card	PCMCIA type II
Capture image type	JPEG, BMP
Networking	Ethernet (10 Base-T), HTTP, Telnet, or FTP server, FTP client
USB	For mouse connection
Dimensions (excluding protrusions)	CCU: 282(W)x177(D)x84(H) mm Camera head: 88(W)x44(D)x73(H)mm Remote unit: 56(W)x68(D)x21(H)mm
Weight	CCU: 2.2 kg Camera head: 230 g Remote Unit: 110 g
Power supply	AC 100-240 V, 50/60 Hz, 0.6A (Max.)
Power consumption	40 W
Temperature range	Usable: 0-40° C, 85% RH (without condensation) Recommended: 15-30° C, 85%RH (without condensation) Storage: -20-60° C, 85%RH (without condensation)
Compatible monitor	SXGA or greater resolution recommended

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2002.

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