WOLFVISION®

EYE-10 and EYE-12

Advanced Live Image Cameras

High Quality Live Imaging

EYE-10 and EYE-12 Live Image Cameras

WolfVision is a globally successful family owned company based in Austria/Europe. As 'technology leader' in the Visualizer market, WolfVision is the company that sets the worldwide standards of product quality, innovation, reliability and ease of use.
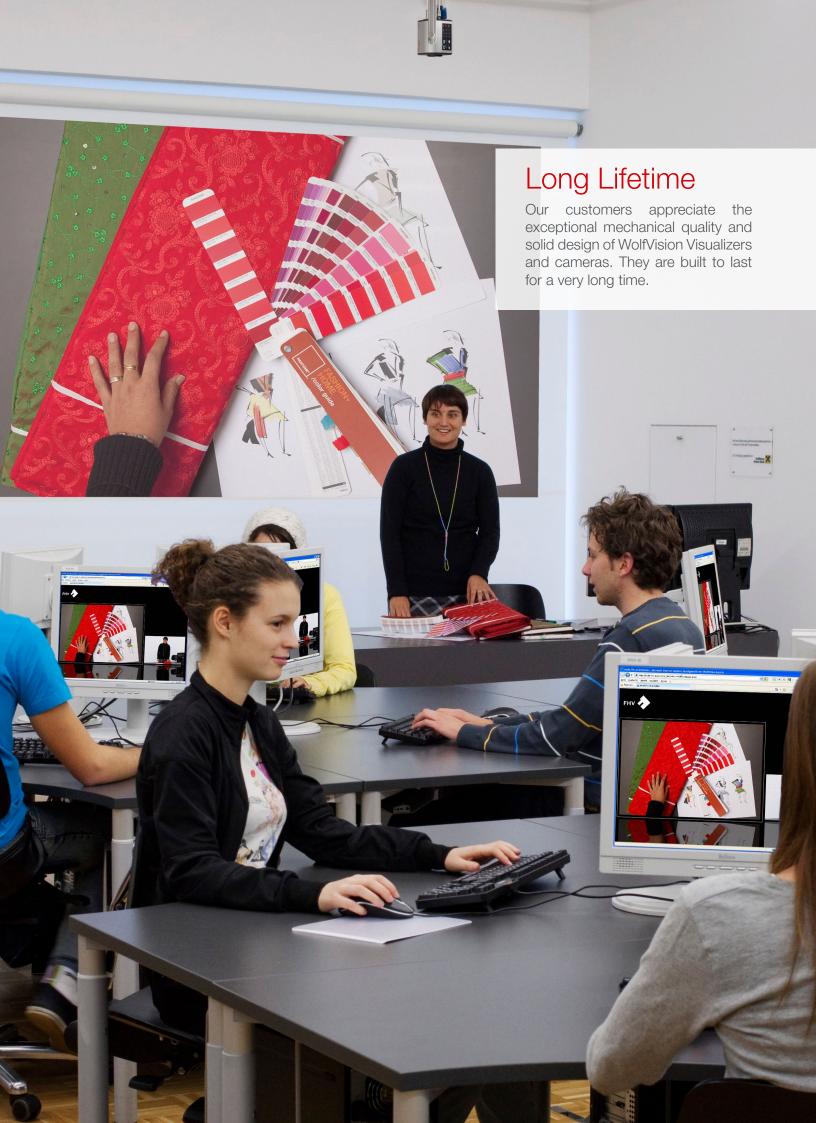
EYE-10 and EYE-12 are popular high definition LIVE IMAGE cameras, that are used for various live image presentation applications. For example: as a Ceiling Visualizer (without light) when mounted on the ceiling or integrated into a suspended ceiling, or for live room-to-room transmissions. Alternatively, the cameras can be mounted on tripods, pan-tilt zoom mounts or wall mounts designed for video or surveillance cameras.

The EYE cameras deliver top of the line imaging performance as all components used in their manufacture are of the same high end specification as those used for WolfVision's Visualizers.

Naturally Green
www.wolfvision.com/green

Long Lifetime

Our customers appreciate the exceptional mechanical quality and solid design of WolfVision Visualizers and cameras. They are built to last for a very long time.
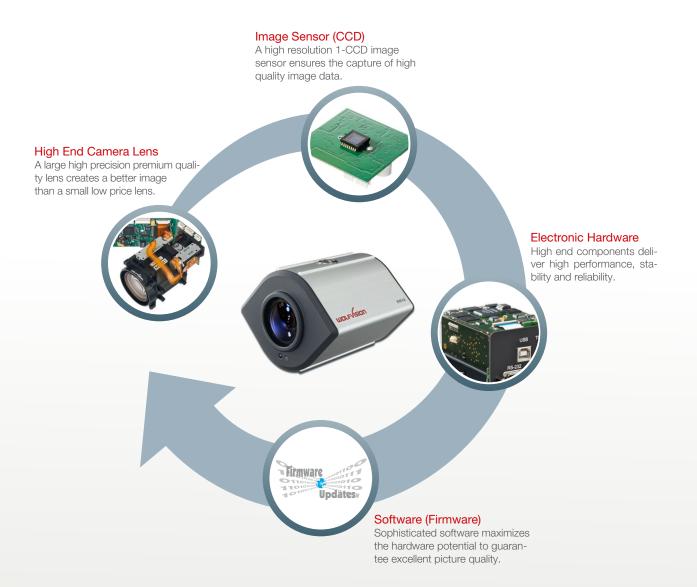
Outstanding Picture Quality

WolfVision Live Image cameras have always been famous for their outstanding picture quality, which is due to a perfect mix of high end components and remarkable know-how. Perfect picture quality means high resolution throughout the whole picture (including the edges). It means lifelike colors, a high frame rate, fast and precise auto focus, smooth zooming, an overall distortion free picture and much more.

WolfVision's high priority on perfect picture quality can be seen throughout the entire Visualizer and camera product line - from entry level models right through to the top of the range units. The picture quality of a camera can only be as good as it's weakest component. The following elements are responsible for perfect picture quality:

Image Sensor (CCD)
A high resolution 1-CCD image sensor ensures the capture of high quality image data.

High End Camera Lens
A large high precision premium quality lens creates a better image than a small low price lens.

Electronic Hardware
High end components deliver high performance, stability and reliability.

Software (Firmware)
Sophisticated software maximizes the hardware potential to guarantee excellent picture quality.

Main Features

Large Zoom Range

A large optical zoom range is one of the most important features of a Live Image camera, because only an optical zoom can pick up objects in full resolution. WolfVision Live Image cameras feature a 12x optical zoom which offers the possibility to pick up objects as large as an architectural drawing and as small as a postage stamp in full size to fill the screen. For enlarging even smaller objects the EYE-12 and EYE-10 also offer 4x and 2x digital zoom respectively.

Power over Ethernet (PoE)

The LAN port of the EYE-12 includes Power over Ethernet functionality. A popular way of saving cables and installation costs.

Trigger Function (EYE-12)

In "trigger mode" the EYE-12 only shows a new image when it receives a trigger signal from an external unit. This is very useful for surveillance and machine vision applications. Unlike most recording devices that cannot start recording in a fraction of a second, the trigger function freezes the live image output by the EYE-12, thus recording the exact image.

High End Camera

EYE-12 features a high definition 1-CCD camera giving 820 lines of visible resolution in every part of the picture, including the edges, as WolfVision only uses high end camera lenses. It can output native resolutions of SXGA-, WXGA and 720p.

The 'basic' model EYE-10 has a 1-CCD camera with native XGA resolution. The image can also be output scaled in 720pHD and WXGA formats, in the correct widescreen aspect ratio.

Infrared Remote Control / Integrated Keypad

For ease of use the EYE cameras have large and clearly arranged keys on the remote control and on the integrated keypad. The infrared remote control allows for maximum flexibility in operation, and the infrared reception is excellent due to the built-in and external infrared receiver (with 10m cable).

Internal Image Memory

The user has the opportunity to store 9 (EYE-12) or 4 (EYE-10) images and recall them by just pressing one of the numerical keys on the infrared remote control.

Anti-Theft Device

WolfVision's EYE Series cameras are equipped with T-Lock (Kensington® Lock) anti-theft devices.

Connectivity Features

USB Device Port / Connectivity Software (EYE-12)

The EYE-12 can be connected to a computer using the USB 2.0 or the LAN port. Communication is possible via the WolfVision Connectivity Software or a dedicated WIA, Twain or video capture driver. The supplied Connectivity Software allows for saving still images and videos onto a PC or Mac, controlling the unit, updating the firmware, adding annotations, instant printing of camera screenshots and even streaming live images over a network. Firmware updates allow new features and technical improvements to be added at no cost.

LAN Port / Additional Network Features (EYE-12)

The LAN port is a key feature of the EYE-12. It makes the camera a part of the internal computer network, and it can be used for communication over the Internet, if it is assigned an official (WAN) IP address. Administrators of a large number of cameras can use the LAN port to control, support and update all of their units from their local desktop PC. It can be used for controlling, capturing still images, viewing live video streams, firmware updates, adjustments, menu settings and maintenance purposes. The EYE-12 offers streaming of live images directly from the camera (without a connected PC) in Singlecast (unicast) and Multicast mode.

External Controlling

A wide range of connectivity options ensures that effective external controlling is possible from devices such as a room control system, a videoconferencing system or a computer. This is a major difference as compared to consumer oriented HD camcorders. EYE-10 and EYE-12 can be perfectly remote controlled with the keypad on the unit, with the supplied infrared remote control, or via the serial port (RS232). Additionally, the EYE-12 can be controlled via the USB or LAN port.

EYE-10

EYE-12

Options & Accessories

Tile Bridge / Plenum Rating

The Ceiling Tile Bridge is designed to help install the EYE Series cameras into the standard grid of a suspended ceiling (2'x2' or 2'x4'). The Tile Bridge is made of aluminium to ensure a light but sturdy construction. It fits both American and European standard ceiling grids. The EYE cameras are attached to the Tile Bridge via a camera mount. The mount can be rotated 360° and moved across the Tile Bridge, in order to align the camera with the working surface.

PLENUM RATING - The EYE Series design and material adheres to all fire safety regulations and allows for quick installation into any ceiling. Both EYE-10 and EYE-12 are plenum rated.

Reflection-Free Working Plate

An optional reflection-free working plate is available. This working plate allows for perfect reproduction of transparencies and other reflective materials like photos or glossy brochures, The working plate is inclined 12° in order to eliminate reflections.
Size: Length: 320mm (12.6"), Width: 430mm (16.9"), Height: 10-40mm (0.4"-1.6"), Inclination: 12°.

Close-Up Lens

Using the optional close-up lens the EYE-10 and EYE-12 can be used like a "Desktop Visualizer". Objects can be focused at a close distance to the camera. This close-up lens is not needed if the distance between the bottom of the camera and the working surface is greater than 477mm (18.8"/1.56').

SCB-1 & SCB-12 Camera Modules

WolfVision's SCB Series camera modules are the exact same units as the EYE Series cameras but they are supplied without housing and accessories. The SCB-1 is identical internally to the EYE-10 and the SCB-12 is the same unit as the EYE-12.

More detailed feature descriptions, photos and 3D animation at

www.wolfvision.com

Technical Data

	EYE-10	EYE-12
Camera	1/3" Progressive Scan CCD	
Pictures per second (as picked up by the camera)	30 frames (=full pictures)	
Effective Pixel (=pixels actually used for image information)	1024x768 (=786,462)	1280x960 (=1,228,800)
Total pixels of CCD(s)	850,000	1,320,000
Pixels processed per second (=effective pixels x frames per second)	23,600,000	36,864,000
Color reproduction / precision	very good colors	very good colors (sRGB color precision)
Native signal output	XGA (1024x768)	SXGA- (1280x960), WXGA (1280x800) and HD (High Definition) 720p (1280x720)
Converted output signals (4:3 and 5:4)	-	SXGA+ (1400x1050), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)
Converted Widescreen output signals	720p HD (1280x720) WXGA (1280x800)	1080p HD (1920x1080), WSXGA+ (1680x1050), WXGA+ (1440x900), WXGA (1360x768)
Resolution (measured)	640 lines	820 lines
Resolution in Image Turn mode	-	1050 lines
Image Turn mode (for increased resolution when picking up large portrait pages)	-	yes
Image Rotation	180 degrees	90, 180 and 270 degrees
Iris	automatic and manual	
White balance adjustment	automatic and manual	
Autofocus / Speed	yes (continuously working, high speed)	
Manual focus	yes	
Shutter	auto, manual, flickerless	
On screen menu	yes	yes (improved graphical menu)
On screen help (for menu)	-	yes
Firmware Updates via	RS232 (serial port)	USB, RS232, LAN
Zoom	24x zoom (12x optical + 2x digital)	48x zoom (12x optical + 4x digital)
Lens	f = 5.8 to 69.6mm, F = 2.8 to 3.0, with M46 x 0.75mm lens mount, Field of view: horizontal: 4.4°-45.7° vertical: 3.3°-35.1°	
Connectivity Software (USB / LAN, for controlling, image and video capturing)	-	included (twain compatible, with video capture driver)
User programmable presets	3 (plus one more via RS232)	
Image memory	4 pictures	9 pictures
"Show all" function (9 picture split-screen)	-	yes
Alternative Image display	-	negative / negative-blue / black and white
RGB output	two (15-pin D-Sub/VGA-plug)	two (15-pin D-Sub/VGA-plug and with DVI-I to VGA adapter)
DVI output	-	DVI-I (digital and analog)
HDMI output	-	when using a DVI-HDMI cable
USB port with professional protocol / standard	-	USB 2.0
Ethernet / LAN port with professional protocol	-	yes, 10/100 Mbps, with PoE (Power over Ethernet)
RS232 port and serial protocol with position setting and status report	9-pin D-Sub	
Trigger port	-	RCA (+BNC adapter), max.15 pulses / sec., delay: 1/30 sec.
Dimensions in operation (L x W x H)	133mm x 125mm x 91mm (5.2" x 4.9" x 3.6")	
Weight	0.6 kg (1.3 lbs)	0.8 kg (1.7 lbs)
Infrared remote control	yes (with laserpointer), internal and external receiver (with 10m cable and status LED)	
Anti-theft device	T-Lock (Kensington® Lock)	
Tripod mount / ceiling mount	2 tripod mounts (on top and bottom, 1/4-20 UNC) plus u-shaped mounting clip (for attaching the camera on the back of the unit)	
Plenum rated	yes	
Power pack	multi range 100-240 V, 10W	
Power over Ethernet	-	36-57 V PoE (IEEE 802.3af standard)
Warranty	5 years	

All units made in the European Union (Austria)   *Design and specifications subject to change!*

Your WolfVision dealer:

More information:

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