UFG-E
network frame grabber

Video over Ethernet

UFG-E is a compact sized intelligent adaptor for transferring captured video images over IP lines from any VGA or DVI source. It provides a very flexible way of retrieving the video information over long distances, even over Internet. Video frames up to 1600 x 1200 resolution can be transferred without any loss of detail.

Easy to use

The use of the UFG-E is very straightforward. Any computer with an Internet HTTP browser is able to retrieve images for viewing, store them or print them using a standard PC printer. Commonly used image file formats like JPG and PNG are supported.

Remote video

UFG-E will enable a multitude of video data interfacing or remote monitoring applications. The UFG-E can be placed in the proximity of the monitored instrument. This allows very flexible distribution of the video information by using normal network cabling instead of coaxial video cables.
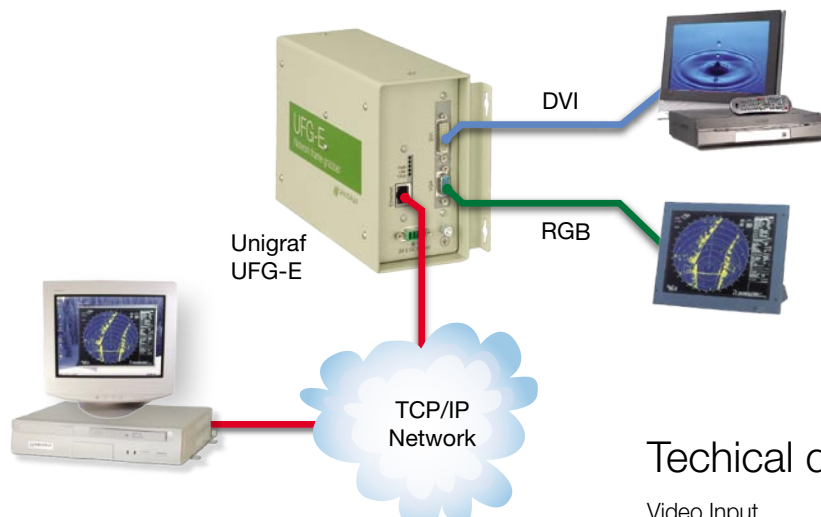
 One of the advantages of UFG-E is that it makes monitor video readable with any PC. This feature enables applications like storage and printing of display read-out of devices that do not have a printer or a network connection.

Benefits

- Transfer high definition RGB or DVI video capture images over IP
- Commonly used HTTP protocol
- Supports JPG, PPM and PNG image file formats
- Up to 1600 x 1200 resolution without loss of detail
- Fully independent, web browser configurable device

UNIGRAF

UFG-E
network frame grabber

DVI

Unigraf
UFG-E

RGB

TCP/IP
Network

Techical data

Video Input	RGB on VGA connector
	TMDS on DVI-I connector
Input Resolution	640 x 350 to 1600 x 1200
Input Pixel Frequency	165 MHz maximum
Color depth	24 bits per pixel
Scan Modes (RGB)	Progressive, interlaced
Sync Modes (RGB)	Automatically detected
	RGBHV, RGBS, RGsB
HW Scaling	From half of input image size to
	1600 x 1200, independently
	horizontal and vertical
Image Formats	JPG, PPM (bitmap), PNG (losless)
Data Interface	Auto sensing Ethernet 10/100 Base T
Protocol	HTTP / 1.1
Sustained tranfer rate	8 Mbytes/s
Input Voltage	+24 Vdc nominal
	(+10/18 Vdc to +36 Vdc)
	100 to 240 VAC with office adapter
Power Consumption	11 Watts typical
Module Size	227 x 142 x 92 mm w/o connectors
Weight	1.4 kg
Temperature range	0 to +55°C, 95 % Rh
MTBF	50 000 h (target)
EMI	EN55022 A (CE-mark)
Certificate	IEC 60945 (Pending)

Applications

Video Image Capture

You can use UFG-E to store an electronic copy of
an image from a medical, industrial, laboratory etc.
instrument's screen. Your need might as well be to
backup real time information from an automation
system or e.g. a radar display.

Video Printing

UFG-E replaces an outdated video printer. It is capable
of storing video images from all kinds of video display
screens for printing to an ordinary PC printer.

Picture in Picture

If you need to see the screen of a PC or other device
screens on a PC display, UFG-E can help you. You only
need a web browser for the task.

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www.unigraf.fi