

Visualyze® Tablet

ENA-10660-AS

Tablet with HDMI or USB3 video outputs
IEC 60601-1 and 60601-1-2 compliant

Enable, Inc.
Imaging Innovations

PRODUCT BRIEF

tablet with HDMI and USB3 video output and internal recording capability;
compatible with all Visualyze® scopes



introduction:

Enable Inc. has developed this custom-made tablet to be compatible with all the Visualyze® scope models and to offer an easy user experience through its integrated touchscreen display.

It is designed to meet IEC 60601-1 and IEC 60601-1-2 standards and be compliant with part 15 of FCC rules.

The Visualyze® Tablet is capable of recording still images and live video onto internal memory. Through the capacitive touchscreen display, the user interface offers easy access to view and replay stored data on the tablet, as well as numerous other functions through soft buttons and a settings menu.

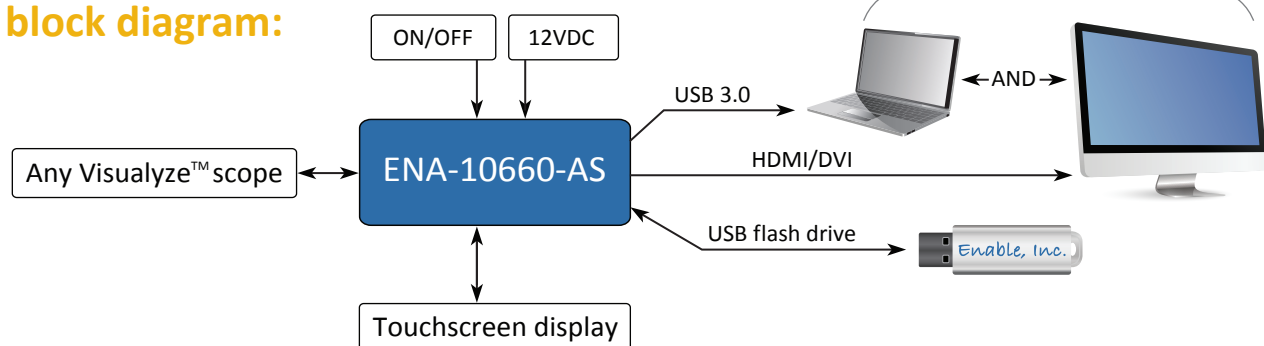
The video to the integrated display is simultaneously casted to an HDMI and USB3 output in the back of the tablet.

A universal 12VDC medical-grade power supply, and a 32GB USB flash drive are provided with the tablet.

product features:

- Up to 1MP video output on the HDMI port
- Integrated touchscreen with multiple user-friendly functions and menus
- Easy access to internally stored data
- Stored images and video can be viewed and replayed on the tablet
- HDMI and USB3 video outputs available along with integrated TFF-LCD display
- Compatible with all Visualyze® scope models
- Auto-Global-Gain®: (exposure & gain & light) adjusted automatically for best scene illuminance
- ROI function via touchscreen to select Auto-Global-Gain® settings within ROI (improves sensor's dynamic range)
- Stored images and video can be copied onto external USB flash drive
- Software and user interface can be branded and customized per customer's request
- Main PCB available for sale by itself for integration into customer's controllers
- Field-enabled software upgrades through external USB flash drive

block diagram:



product specifications: ENA-10660-AS

power supply:

safety:	Approved to EN/IEC/UL60601-1, 3rd edition
EMC:	Meets UL/EN/IEC60601-1-2, 4th edition
isolation level:	2 MOPP requirements (input-output)
input voltage:	90-264VAC, 50/60Hz
input current:	115 VAC: 1.2 A; 230 VAC: 0.6 A
input AC inlet:	Class II desktop; IEC60320 C8 receptacle
output voltage:	12V DC; IP22 rated enclosure
output current:	2.5 ADC (max)
output power plug:	Ø5.5 x Ø2.5 x 9.5 mm Straight Barrel

electrical input:

input source:	AC/DC power supply (external)
input voltage	12 VDC (male center positive)
input Current	1.5 ADC (max)

system:

Dimensions:	4.8 x 25.1 x 20.3 cm (W x L x H) (1.9" x 9.9" x 8.0")
Weight:	1.25 kg (2.8 lb)

video output:

USB 3.0:	UVC compliant
Micro B	YUV422 format @30fps, 400x400 or 720x720*
Video content:	400x400 or 720x720*
HDMI:	1080p @ 60fps
Video content:	1,000x1,000

data port (plastic or metallic IP rated):

14 pin	proprietary receptacle (connect to scope)
--------	---

USB port:

USB-A	USB2 port (copy data or SW upgrade)
-------	-------------------------------------

video/display (integrated touch screen display):

display type:	210.4 mm (H) x 157.8 mm (V); 10.4-inch diagonal, color, LCD
resolution:	1024 (H) x 768 (V); (124 pixels per inch)
aspect ratio:	4:3
video content:	768 x 768
touchscreen:	capacitive

environmental:

operating pressure:	71 to 101 kPa (altitude): (3,000m to 0m at 25°C)
operating temperature:	10°C to 35°C
operating humidity:	up to 75% RH
storage pressure:	60 to 101 kPa (altitude): (4,267 m to 0 m at 23°C)
storage temperature:	-20°C to 70°C
storage humidity:	15% to 90% RH

media capture (into external USB flash drive):

still image format:	PNG
still image size:	400x400 or 720x720*
video file format:	MP4
video file size:	400x400 or 720x720*
still image size:	~300 kB or ~890 kB*
video size:	~12.7 or ~36.9 MB/minute*

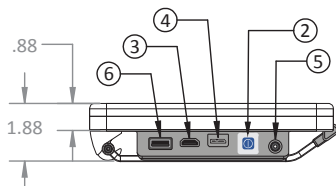
cable (length):

AC cord:	2.43 m (8.0 ft); NEMA 1-15P to IEC-60320-C7
output DC cable:	1.45 m (4.8 ft)

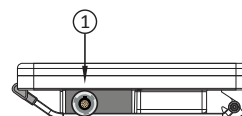
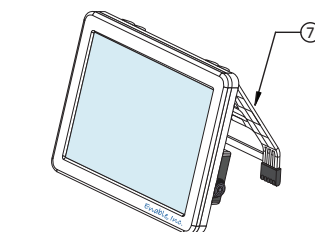
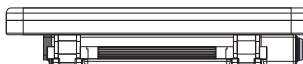
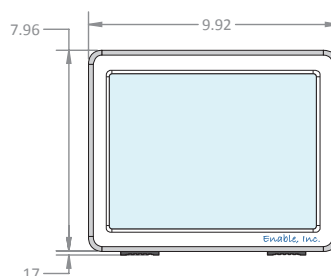
*Size depends on sensor type

Description

1. Data Port; Visualyze® scope connection.
2. ON-OFF Power Switch.
3. HDMI video output.
4. USB3 UVC video output.
5. 12VDC power jack.
6. USB-A port; connect USB drive to export data
OR perform SW update. **SW update:** requires USB drive with Enable Inc.-provided file.
7. Kickstand.



All dimension in inches:



Software and user interface can be customized to your needs.