

VEGA rack system

Video signal routing and control system for clinical environments

An integrated system for the capture, routing and management of video signals, able to configure their presentation across multiple screens and record them individually or combined. The additional videoconferencing function adds flexibility of use.



Centralized video signal management

The VEGA Routing set includes the connectors, video capture devices, processing unit and storage needed to configure and distribute the image and video sources present in a medical-clinical or laboratory environment, with the ability to adapt to virtually any combination of physical or logical formats existing at the facilities.

The VEGA control software, designed in-house by TedCas, lets you select any of the signals connected to the device, configure their quality, distribute them across the different output monitors and record them securely to various devices through a simple procedure adaptable to professionals' workflow. Moreover, it requires no modification or update to pre-installed equipment.

Additional functions for image distribution

As an additional function, available on request, the VEGA Routing system can connect to videoconferencing platforms in order to use the captured images for training, tele-assistance, presentations or any other function enabled by transmitting this data, including the functions needed to ensure the connection is made securely and to remove any confidential or restricted data.

All components are backed by a 2-year parts-and-labor warranty. For added assurance, a maintenance contract is available that extends coverage up to 10 years, ensuring the product's continuous availability and operation with minimal downtime for maintenance.

BRAND:	TedCas
MODEL:	VEGA Video Routing
CURRENT MEDICAL DEVICE REGISTRATION NUMBER	UDI ID : 8437014900002 VEGA 1.0
GENERAL SPECIFICATIONS	
Screen/display	10" medical grade (for device control)
Touch / keypad	Multi-touch, optional PC keyboard
RECORDING FORMAT	
Simultaneous recording	recording up to eight video signals in parallel in FHD
Hard-disk storage, GB	8000 GB
Maximum recording time, hr	Up to 2000 hours of video in FHD resolution
Resolution	
HD	Yes
2D	Yes
3D/2D Full HD	No
Full HD	Yes
Images	
JPG	
DICOM	
Other:	
Video	
MPEG-4 AVC/H.264	
DICOM	
Other:	
Automatic functions	
Automatic signal detection	Yes
Automatic resolution detection	No
INPUT PORTS	
Images/Video	Up to a maximum of 10 inputs
SDI (BNC)	Yes, up to a total maximum of 10 input ports
3G-SDI/HD-SDI	Yes, up to a total maximum of 10 input ports
DVI-D	Yes, up to a total maximum of 10 input ports
SD-SDI	Yes, up to a total maximum of 10 input ports
S-Video	Yes, up to a total maximum of 10 input ports

Composite (BNC)	Yes, up to a total maximum of 10 input ports
RGB	
Audio	
SDI (BNC)	No
Stereo mini-jack (LINE)	Yes, 1
Stereo mini-jack (MIC)	Yes, 1

OUTPUT PORTS

Images/Video	Native DVI, all available with adapter
SDI (BNC)	Yes, up to a total maximum of 4 output ports
3G-SDI/HD-SDI	Yes, up to a total maximum of 4 output ports
DVI-D	Yes, up to a total maximum of 4 output ports
SD-SDI	Yes, up to a total maximum of 4 output ports
S-Video	Yes, up to a total maximum of 4 output ports
Composite (BNC)	Yes, up to a total maximum of 4 output ports
Audio	
SDI (BNC)	No
Stereo mini-jack (LINE)	Yes, 1
Stereo mini-jack (MIC)	Yes, 1

OTHER INTERFACES

RJ-45 (10BASE-T / 100BASE-TX / 1000BASE-T)	3 Gbit Ethernet
USB 2.0 type A	Yes, 2
USB 2.0 type B	No
USB 3.0 type A	Yes, 2

CONNECTIVITY

Data export/import method	
Wireless network	Yes
Ethernet node	Yes
USB	Yes
Blu-ray	No
CD/DVD	Yes
Exported/imported image format	
JPG	Yes
PNG	Yes

DICOM	NA
Exported/imported video format	
MP4	Yes
AVI	no
MOV	No
DICOM	NA

ACCESSORIES:

Remote control	Role-Based Access Control. Local and remote access subject to the client's and the hospital network's security configuration.
Other:	No additional accessories in the basic configuration

INFRASTRUCTURE / SUPPLY CHARACTERISTICS

Dimensions, cm (Height x Width x Depth)	60 x 60 x 80 cm
Weight, kg	max. 45 kg
Power supply, V	110-240V AC
DICOM Conformance Statement	Not applicable

Legal note: Adapters, cabling, complementary accessories and installation services are not included in the supply of the product described in this catalog unless expressly stated in writing. These items must be assessed and contracted separately, in accordance with the specific requirements of each project.

Last updated: 06 Jul 2026

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