



VIMA

VIDEO IMAGE MANAGEMENT & ACQUISITION



- All-in-one matrix switching & recording
- 10-input, 8-output, video integration
- Easy-to-use touchscreen control
- Video capture, DICOM worklist push to PACS
- Power over Ethernet (PoE) for connected devices
- Supports onboarding of legacy devices



COST-EFFECTIVE, PLUG-AND-PLAY, INTEGRATED OR SOLUTION

VIMA is an innovative video management and recording system designed to simplify integration and help support improving patient outcomes, workflow efficiency, and lowering operating costs.

Combining low-latency signal routing with DICOM-compatible recording & image capture capabilities, VIMA provides a highly flexible solution for operating rooms and advanced Endo/GI procedure room applications. VIMA supports HDMI and SDI connectors, and enables long-range uncompressed video transmission over standard CAT-6 network cabling up to 100m, while delivering power to input encoders and output decoders.

Using VIMA in combination with the ScaleOR™ video scaler and Radiance® Ultra displays from NDS, an integrated solution can quickly be installed with a plug-and-play approach. To accommodate analog and non-standard digital sources, ScaleOR can be used as a companion device, enabling any signal to be converted to HD video quality and routed to one of ten VIMA video inputs.

Utilizing a simple and intuitive graphical user interface on a large-format touch display, clinical staff can easily manage numerous imaging sources, route images to specific monitors, and transfer recorded video and still-image captures to a PACS system.

TECHNICAL SPECIFICATIONS

GENERAL

Touch Screen Connectivity	Video: HDMI and DP++, Touch Control: USB
Management/Control and Network Ports	4x USB 3.0 / 1x USB 2.0, 2 x 1000 BASE-T
Power Over Ethernet (PoE)	802.3at Type 2, Class 4 for HDBaseT inputs, Class 3 for HDBaseT Outputs
HDBaseT Cable Type, Max Length	CAT-6a, 100 meters
Power Input	100 to 240 VAC, 50/60 Hz
Power Output	12 VDC power output for 15" touch monitor
Dimensions (W x D x H)	12.9" x 13.7 x 3.5" / 330mm x 350mm x 89mm
Weight	9.3 lbs (4.2 kg)
Shipping Weight*	17.8 lbs (8.1 kg)
Shipping Dimensions	21" x 21" x 12" / 53cm x 53cm x 31cm

VIDEO RECORDER SPECIFICATIONS

Video Inputs	DVI-D, 3G-SDI, HDBaseT
Audio Input	3.5 mm MIC Input
Audio Output	3.5 mm LINE Output
Video Compression Technology	AVC/H.264
Video Recording Resolutions	1920 x 1080p 50/60, 1280 x 720p 50/60
Data Storage	500GB Hard Drive
DICOM Connectivity	Modality Worklist, Query & Retrieve, Local Storage for Images and Videos, DICOM PACS transfer with Storage Commitment
Multimedia Export	DICOM files to PACS, or raw files to USB
Still Image Format	JPEG, BMP
Scheduled worklist workflow	Worklist imported from DICOM or created locally
Capture Remote Interface	2 x ACC for capturing triggered by camera head buttons

INPUT/OUTPUT CONNECTOR PANEL



90V0003 Manager & Recorder

VIDEO MANAGEMENT SPECIFICATIONS

Video Inputs	4x HDMI, 2x 3G-SDI, 4x HDBaseT
Video Outputs	4x HDMI, 4x HDBaseT
Maximum Video Resolution Supported	HDMI / HDBaseT: 3840 x 2160p 30Hz; 3G-SDI: 1920 x 1080p
User Interface Features	Source Preview, Routing Presets, Customizable names

WARRANTY & REGULATORY COMPLIANCE

Warranty	1 Year
Green Compliance	REACH, RoHS-3, WEEE
Regulatory Compliance	ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, EN 60601-1, EN 60601-1-2, Conflict Minerals, FCC Part 15 Class A, ICES-003, VCCI V-3, MDR 2017/745, Class I

ORDERING INFORMATION

90V0003	VIMA Video Manager with Recorder/Capture
90V0004	VIMA Video Recorder/Capture
90V0005	VIMA Video Manager

CONTACT INFORMATION

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90V0004 Recorder / Capture Only

* Shipping weights are approximate

NDS Quality System
ISO 13485 FDA Registration #2854921
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