

# AVAS-402

## Medical VMS/Recorder and Computing Platform



### Features

- Multi channels are supported to record 4K and FHD medical videos simultaneously
- H.265 recording technique enables to save high quality video while conserving storage capacity
- Video source can be previewed with 4Kp60 to make medical video accessible
- An open SDK and API enable user to integrate the product into environment or workflow management system
- Support Windows 10/Linux Kernel Operation System, FCC/CE/UL/CB/CCC/IEC-60601-1/IEC-60601-1-2 4th certifications
- Support windows video recording and video management software
- Support Intel® 9<sup>th</sup> Core™ I processor
- Support software RAID 0,1,5,10, TPM 1.2/2.0 (optional)



### Introduction

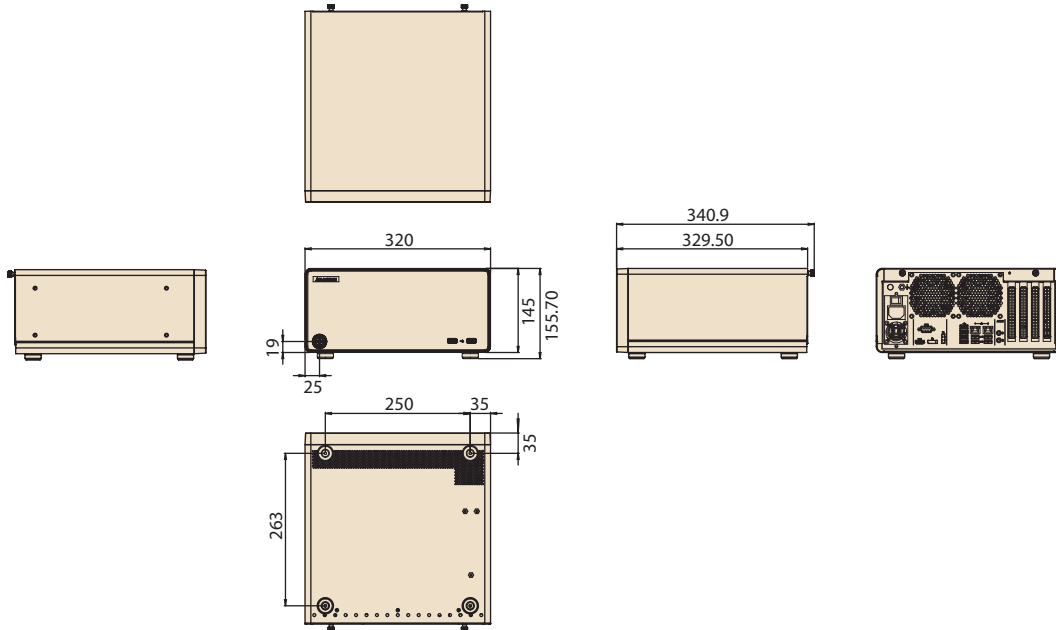
With the 4K UHD picture resolution, AVAS-402 video recorders provide accurate and superior view of surgical procedure recordings. The AVAS-402 is perfect for surgery centers, operating rooms and training seminars to achieve the accuracy requirement for their procedures, which could also integrate for simultaneous display on monitors with diverse configurations at the same time.

### Specifications

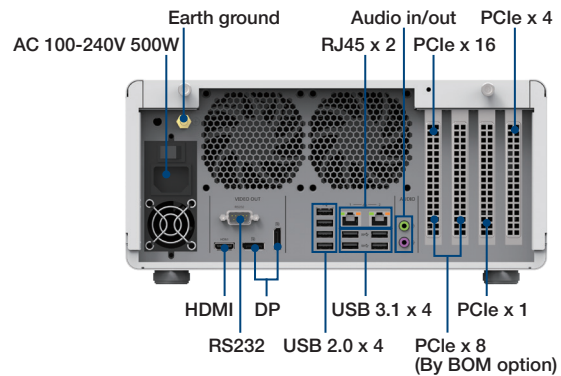
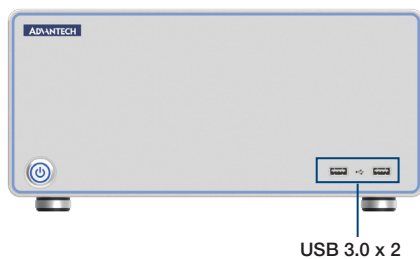
Video	Input Resolution (Capture Cards)	Up to 4K UHD
	Output Resolution (Displays)	Up to 4K UHD
	Compression Format	MPEG2 H.264, H265
Audio	Audio	2 (Mic-in/ Line-out) (Mic-in could be configured as "Line-in" under Win OS.)
System	CPU	Intel® Core™ i7-9700E
	Memory	16G
	SSD	1TB
	Wifi	Intel® Wireless 802.11abgn + ac R2 MIMO 2 x 2 + MU-MIMO
	BT	Intel® Bluetooth® 5.0
I/O	Video Display I/O	HDMI x 1, display port x 2
	Ethernet	RJ-45 x 2
	USB Host	10 (2 x USB 3.1, 4 x USB 3.0, 4 x USB 2.0)
	Audio Out/In	2 for audio out / in 3.5mm stereo jack connectors
	Rs232	RS-232 x 1
	M.2 (M Key)	1 x 2280 NVMe PCIe4 and SATA M.2 support
M.2 (E Key)	1 x 2230 for Wi-Fi	
Power	500W medical internal PSU, 100-240V AC in	
Certification	FCC/CE/UL/CB/CCC/IEC-60601-1/IEC-60601-1-2	
Environmental	Operation Temperature	0 °C to +40 °C
	Storage Temperature	-10 °C to +50 °C
Dimension & Weight	320 x 329 x 145 mm, 10Kg	
SDK Main Function	Streaming control, capture, recording, streaming, playback, editing, and tools	

## Dimensions

Unit: mm



## I/O



## Ordering Information

Part Number	Description
AVAS-402-MVAB-PA40	Video recorder : 4K+FHD/Core™ i7-9700E/16GB/1TB/PSU/Wi-Fi/BT

## Optional Items

Part Number	Description
AVAS-OPAC-2003	Quadro RTX-A4000 16GB PCI-Ex16 DP*4
AVAS-OPAC-2014	1ch 4K HDMI (YUYV422) loop-out capture card
AVAS-OPAC-2015	2ch HDMI/DVI/VGA capture card
AVAS-OPAC-2017	1 Channel 4K60 HDMI2.0/DVI-DL/DP1.2 capture card
AVAS-OPAC-2018	2 channel FHD DVI/HDMI capture card
1702002600	Power cord UL 3P 10A 125V 183cm
1702002605	Power cord EU 3P 10A 250V 183cm