

# Workstation Tower

Workstation, Tower, Hexa-Core 3,5 GHz CPU, 16 GB DDR4 RAM, 128 GB SSD



The **Workstation Tower** is equipped with a powerful Intel Core i7 Hexa-Core CPU and 16 GB DDR4 RAM. Together with the included license for the **Windows 10** operating system, it is an optimal and versatile platform for the use in security centres.

The extremely powerful and perfectly matching hardware components are ideal for the use in conjunction with **Panomera® multifocal sensor systems**. As a platform for the software Panomera® Viewing Client or Panomera® Streaming Server decoding, streaming and display of Panomera® streams are supported in real-time.



In combination with the appropriate software, the workstation can be used in the **SeMSy® III video management system** as SeMSy® III Workstation for the convenient operation of the entire system or as SeMSy® III Variodecoder. It is also possible to integrate the various components of the **SMAVIA Software Package**.

## Features

- Microsoft Windows<sup>1)</sup> 10 Pro 64 Bit operating system
- CPU Intel<sup>2)</sup> Core i7, Hexa-Core, 3.5 GHz
- 16 GB DDR4 RAM
- SSD with 128 GB (SATA) for operating system included
- HDDs with 2000 or 4000 GB (SATA) optional
- Two powerful GPU boards for decoding included
- One graphics board for up to 4 displays included (SMAVIA Viewing Client supports up to three monitors simultaneously, SeMSy® III and Variodecoder up to two monitors simultaneously)
- Decoding and display of up to 22× HD channels in real-time
- Compact aluminum housing (midi tower, black)
- Keyboard and mouse (black) included in delivery

## Suitable for

- PANOMERA®
- SeMSy® III
- SMAVIA

Workstation Hardware	
004904	Workstation Tower <sup>3)</sup> Workstation, Tower, Hexa-Core 3.5 GHz CPU, 16 GB DDR4 RAM, 128 GB SSD, 2× GPU boards, 1× graphics board, 1× keyboard, 1× mouse, RAID 1 and license for Microsoft Windows 10 Pro included
Services	
004845	<b>System Setup</b> Assembly (hard disks, memory modules, controller, firmware), RAID system setup, installation and update of the operating system including drivers, software installation, system tests (run-in)
003692	<b>FAT System Customizing</b> Collection of project-specific requirements, individual adaption and configuration of the system
004846	<b>System Recovery Image<sup>4)</sup></b> Creation of an image (operating system, RAID configuration, software, configuration) for the recovery of the system (only in connection with FAT System Customizing, 003692)
004905	<b>3<sup>rd</sup> Party Workstation Evaluation (Daily Rate)</b> Verification of the compatibility of a 3 <sup>rd</sup> party workstation, performance test, burn-in test (24 h), test report included (without long term test)
Options Workstation Hardware	
006041	 <b>HDD 2000 GB, SATA, 3.5"</b>
006158	 <b>HDD 4000 GB, SATA, 3.5"</b>

1) Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation headquartered in Redmond, Washington, USA  
 2) Intel is a trademark or registered trademark of Intel Corporation headquartered in Santa Clara, California, USA  
 3) At least two hard disks of the same capacity necessary ex factory  
 4) The image is stored on one of the workstation hard disks. It must be backed up after delivery.

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Components	
CPU	Intel Core i7, Hexa-Core 3.5 GHz
Memory	4x 4 GB DDR4
Hard Disk Drives	6x hard disk drive frame (internal) integrated 5x 3.5" SATA HDD optional 1x 3.5" SATA SSD 128 GB included (for operating system only)
Drive Bays	2x 5.25" and 1x 5,25" with 3.5" Adapter
Drive	1x DVD-RW
RAID Level	RAID 1 (for HDDs only)
Hot Plug	–
Hot Swap	–
Fan	2x front side with 140 mm 1x rear side with 120 mm

Interfaces	
Monitor OUT	1x graphics board (Nvidia GeForce <sup>5)</sup> , dual-slot) with 3x DisplayPort 1.4 1x HDMI 2.0 1x DVI-D Dual Link
Digital resolution	Max. 5120 × 3200
VGA resolution	Max. 2480 × 1536
Decoding	2x GPU board (Nvidia GeForce, dual-slot)
Audio OUT	1x optical S/PDIF port 4x 3.5 mm phone jack
Microphone	1x 3.5 mm phone jack
USB	2x USB 3.1 8x USB 3.0 2x USB 3.0 (main board function USB BIOS Flashback and Q-Code Logger)
SATA	2x eSATA
Ethernet	2x RJ45, 10/100/1000 Mbps

Electrical Data	
Power supply unit	1x 750 W
Voltage supply	115/230 V AC ±10%, 50/60 Hz
Power consumption	Max. 400 W
Heat power	Max. 1366 BTU/h

Mechanical Data	
Dimensions (W × H × D)	Approx. 210 × 473 × 498 mm (8.3" × 16.6" × 19.6")
Weight	Approx. 12 kg (26 lb) (with two hard disk drives)

Ambient Data	
Temperature	+5°C up to +35°C (41°F – 95°F)
Recommended temperature	+20°C up to +25°C (68°F – 77°F)
Humidity	5 – 70% RH, non-condensing
Atmospheric load	Dust-free

Approvals and Certifications	
Type	CE

Software	
Operating system	License for Microsoft Windows 10 Pro 64 Bit (not pre-installed)
OS language	English (others on request)

5) Nvidia and GeForce are trademarks or registered trademarks of NVIDIA Corporation headquartered in Santa Clara, California, USA

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## Connections

- A Fan**  
1× 120 mm
- B Q-Code Push Button**  
1× Push button (Q-Code Logger)
- C Flashback Push Button**  
1× Push button (USB BIOS Flashback)
- D SATA Interface**  
2× eSATA
- E USB Interface**  
2× USB 3.0, type A (top Q-Code Logger, bottom USB BIOS Flashback)
- F USB Interface**  
8× USB 3.0, type A
- G Ethernet Interface 2**  
RJ45, 10/100/1000 Mbps
- H Ethernet Interface 1**  
RJ45, 10/100/1000 Mbps
- I Audio OUT**  
1× optical toslink, S/PDIF
- J Audio Interface**  
5× 3.5 mm phone jack (4× Audio OUT, 1× Microphone)
- K Monitor OUT on Nvidia GeForce, dual-slot**  
3× DisplayPort 1.4  
1× HDMI 2.0  
1× DVI-D Dual Link
- L USB Interface**  
2× USB 3.1, type A
- M GPU Board 1 and 2**  
2× Nvidia GeForce, dual-slot, for decoding, OUT interfaces not active
- N Power Supply Unit**  
IEC C14 socket, 110/240 V AC, 50/60 Hz, 750 W

