Console

The OBZERV CONSOLE is based on an all-in-one PC making it compact, yet a complete system. It combines a touchscreen physical interface for quick and easy access to the most common functions. This system supports standard PC input/output ports as well as TV tuner inputs. The user interface has been carefully designed to fully exploit the capabilities of active imaging, while keeping the burden on the operator to a minimum, so that he can concentrate on the observation task. Standard PC connectors to add a mouse, a keyboard and other such standard peripherals are located under the back panel. The ARGC software is especially made for the touchscreen, displaying fingertip-sized buttons and sliders for fine-tuning, but can also be used with a mouse. The computer is inside the console, making it a compact, yet complete system.

SOFTWARE INTERFACE

The Obzerv cameras use a touchscreen computer to present the video and other data to the operator. A touchscreen optimized graphic user interface implements sliders to adjust brightness, zoom and focus. An horizontal slider located in the sensors dock window adjusts the position of the range gate and its depth. Diagnostics can also be called up at the touch of a button.

CONSOLE SPECIFICATIONS

DESCRIPTION	TOLERANCE
LCD PANEL	19-inch 4:3 widescreen (1280 x 1024)
CPU	Intel® Core™ i7
MEMORY	8 GB DDR3
STORAGE DEVICE	8 x SLIM DVD+/-RW DRIVE
NETWORKING	Dual Gigabit (Gbe) Fast Ethernet, Realtek RTL 8111E
I/O PORTS	– 2 x USB 3.0 Ports
	– 4 x USB 2.0 Ports
	– 1 x RS-232 Serial Port, option to expand to 3 COM ports
	– 1 x DVI-I monitor out port
	– HDMI Full 1080p
EXPANSION SLOTS	– Two Mini PCI-e (1xFull-size and 1xHalf-size)
SECURITY LOCK	– Security lock slot located on the back of the system case
SWIVEL BASE	– System Base enables left/right rotation up to 60°
	– Tilt from –5 to 60°
TOUCHSCREEN	Single touch
WIRELESS	802.11 b/g/n + Bluetooth
TV TUNER	Inputs
	– RF-In (RF SMD connector)
	– S-Video
	– Composite Video
	Video capture rate
	– 30 frames/second (NTSC)
	– 25 frames/second (PAL, SECAM)
STAND	Desk mount, -5° to 60°
WALL MOUNT	Supports both 75 mm and 100 mm VESA mounting holes
DIMENSIONS AND WEIGHT	17" x 3.2" x 15.8" (W x D x H), Unit: 18.1 lbs
POWER SUPPLY	Uses 120 W AC Adapter. Input: universal
	100 - 240 V AC, 50-60 Hz.
	Output range: DC12V/19V. 5.0A/9.5A Adapters for Energy Star 5.0/UL
CERTIFICATIONS	FCC Class B, CE, UL60950, Energy Star 5.2, RoHS, WEEE
OPERATING TEMPERATURE	Ambient Temperature: 0°C to 50°C (operating)
RELATIVE HUMIDITY	10% to 90% (non-condensing)
OPERATING SYSTEM	Microsoft Windows 7
COLOR	Black

STANDARD ENVIRONMENT –I/O PORTS AND TV TUNER INPUTS

OBZERV