

Monitoring made easy - with touchscreen management

Observe up to 16 cameras at a glance and enlarge every camera image by finger-touch. The high frame rate means that nothing will escape you. The large hard disk records video signals over a long period so that the images can also be seen afterwards. The VGA-output also connects the D1416 to large screens. Its slim dimensions enable this system to be used in the smallest of spaces.

Shuttle Surveillance System D1416

**Touch-
screen**



Feature Highlight	
G7 chassis	<ul style="list-style-type: none"> Aluminum chassis (black) Dimensions: 29.5 x 20 x 18.5 cm (LWH)
Touchscreen	<ul style="list-style-type: none"> Integrated 7" display (800 x 480) Touchscreen technology
Surveillance card	<ul style="list-style-type: none"> Surveillance card for PCIe x1 slot Supports 16 cameras 4 chip solution, Watchdog function Including Surveillance Software
Chipset	<ul style="list-style-type: none"> Intel G31 + ICH7
CPU	<ul style="list-style-type: none"> With Intel Processor: Core 2 Duo, Pentium Dual-Core, Celeron Dual-Core, Celeron 4xx Socket 775, max. 1333MHz FSB I.C.E. Genie Heat-pipe cooling
Memory	<ul style="list-style-type: none"> With 2x DDR2-667/800 memory modules Up to 4 GB capacity
Drives	<ul style="list-style-type: none"> DVD Writer SATA hard disk up to 1000MB
Other connectors	<ul style="list-style-type: none"> VGA D-Sub Video Output 5.1-channel HD Audio USB 2.0 (4x rear, 4x onb.) GigaBit LAN (WLAN optional)
Power supply	<ul style="list-style-type: none"> 100W (250W optional)
Application	<ul style="list-style-type: none"> Basic & Home-Media

Images for illustration purposes only.
Cameras are not included.

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Shuttle D1416 – Special Product Features

Touchscreen



The touchscreen is one of the easiest PC interfaces to use, making it the interface of choice for a wide variety of applications to improve human-computer interaction. It can help make any information more easily accessible by allowing users to navigate by simply touching the display screen. When used in conjunction with software such as on-screen keyboards, or other assistive technology, it can help make computing resources more available to both, experienced and novice users. A PC system with touchscreen can even do without a physical keyboard and mouse and all their wires.

PCIe x1 Video Framegrabber Card



The Shuttle D1416 comes with a PCIe x1 based video surveillance card which can handle the input signals from up to 16 CCTV cameras in 4-to-16 split mode in 720x480 D1 resolution. The Shuttle surveillance card deployed four of the innovative Techwell 6805 Video Decoder for high quality video processing capability. It is flexible and superb featured solution for building cost-effective video surveillance solution for office, factory, warehouse and so on.



Surveillance Software

The monitoring software is properly one of the most intuitive program ever seen. It shows 1, 4, 8 or 16 camera view at once and features an easy schedule interface for video recording.



Supports Dual Display

Dual View technology offers convenient visual experience and better efficiency. Working with 2 monitors means you enjoy your digital life and keep protecting your home.



Intel Core 2 Duo at 1333MHz FSB and 4 GB RAM

Based on the Intel G31 chipset, the Shuttle D1416 can be configured with Intels performance-packed and energy-efficient Intel® Core™ 2 Duo processors with 45nm technology. In addition, this platform can be equipped with up to 4GB of DDR2-800 memory for getting amazing responsiveness for video surveillance, multimedia or complex applications.



Shuttle XPC Accessory

Shuttle offers a wide variety of accessories for XPC barebones and complete systems such as WLAN module, parallel port adapter or remote control.

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Shuttle D1416 – Specifications

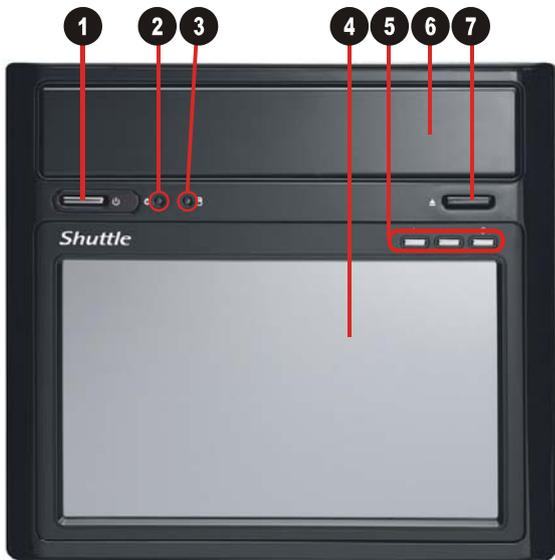
<i>Basis</i>	System based on: the Shuttle Barebone D10
<i>Operating system</i>	Microsoft Windows Vista (various versions available) 9 languages available: German, English, French, Dutch, Italian, Spanish, Swedish, Finnish, Danish
<i>Chassis</i>	G7-type aluminum chassis, black color Storage bays: 2x 3.5" internal, 1 x 5.25" external Dimensions: 30.5 x 20 x 18.5 cm (LWH) = 11.3 litres
<i>Integrated 7" Display</i>	Active area: 152.4 x 91.44 mm (7 inch) Resolution: 800x480 pixels, Color depth: 262144 (18 bits) Backlight unit: High power LED OSD (On Screen Display): 3 Buttons
<i>Touchscreen</i>	Touchscreen function support fingertip input Electric capacity solution
<i>16-ch video grabber card</i>	Shuttle PV416 Surveillance card for PCIe x1 slot 4 chip solution (TechWell 6805) 4-to-16 split, 10 bit AD converter Support 16 CCTV cameras with Composite video output Programmable watchdog function Refreshrate in frames per second (fps): D1 resolution (720x480): 80 fps (5 fps per channel) CIP resolution (352 x 288): 120 fps (7.5 fps per channel) Windows Direct Show driver, Stable function after lost signal Including 2x Surveillance adapter cable (15pol D-sub to 8x BNC) Including Shuttle Surveillance Software
<i>Mainboard</i>	Proprietary Shuttle mainboard form factor, Dimensions: 25.4 x 18.5 cm Chipset: Intel G31 Express (Bearlake-G) + ICH7
<i>Power Supply</i>	100 Watt Flex ATX power supply unit PC36 Input voltage range: 100~240V AC, 47~63 Hz Active PFC (Power Factor Correction) EMI Certified: FCC, CE, BSMI, C-tick; Safety Certified: UL, TÜV, CB, BSMI ATX power connectors: 2x10 pin and 2x2 pins (for 12V) Power plug region specific, 40 mm cooling fan sensor control
<i>Processor</i>	Intel processor, Socket 775, configurable Up to 1333 MHz Front Side Bus Intel Core 2 Duo, Pentium Dual-Core 2xxx, Celeron Dual-Core or Celeron 4xx
<i>Processor Cooling</i>	I.C.E. Genie Heat-pipe cooling With temperature-controlled RPM fan speed by the BIOS.

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<i>Memory</i>	2 x 240 pin DDR2-667/800 SDRAM memory modules, supports Dual Channel up to a total size of 4 GB, max. 2 GB per DIMM
<i>Storage</i>	5.25" multi-format DVD writer 3.5" Serial ATA II hard disk drive up to 1000MB capacity
<i>Integrated Graphics</i>	Intel Graphics Media Accelerator 3100 (GMA 3100) 256bit 3D engine with a powerful 400MHz core DirectX 9.0 support, Dynamic Video Memory Technology (DVMT) 3.0 Shared Memory size up to 384MB Dual View - two displays can be used at the same time: Analog D-Sub VGA and integrated 7" display. Analog D-Sub Output: max. 2048x1536 pixels with 32-bit color at 75 Hz
<i>5.1-channel Audio</i>	Audio Realtek® ALC 662 6-channel High-Definition Audio Three analog audio connectors (3.5mm) at the Back-Panel: 1) Front Line out (head phone) 2) Rear Surround line-out (shared with microphone input) 3) Center line-out (shared with Line in)
<i>Gigabit-LAN Controller</i>	Marvell 88E8056 Ethernet network controller (Gigabit) Supports 100 / 1.000 MBit/s operation, Supports Wake-on-LAN (WOL)
<i>Drive connectors</i>	2x Serial-ATA II, 3 Gbit/s (300 MB/s) bandwidth 1 x IDE ATA 100 drives
<i>Front panel devices</i>	Power button, Power LED, HDD LED 7" Touchscreen Display 3 buttons for On-Screen-Display settings (for 7" display)
<i>Back panel connectors</i>	VGA output (D-sub, analog) 16x BNC connectors for video cameras 4x USB 2.0 GigaBit LAN (RJ45) PS/2 keyboard, PS/2 mouse Audio Line-in, Audio Line-out, Audio Mic-in Serial port (RS232)
<i>Optional Accessories</i>	Wireless LAN module and antenna (PN20) Multimedia Remote Control (RC12) Parallel port (PC8) 250W power supply (PC41)
<i>Accessories</i>	XPC Manual, XPC Quick User Guide Driver CDROM for Windows XP/Vista 32/64-bit Shuttle PV416 Surveillance 16 channels card (PCIe x1) Shuttle Video Surveillance Software 2x Surveillance adapter cable (15pol D-sub to 8x BNC) Serial ATA and IDE cable, Power cord, Screws, Front Feet

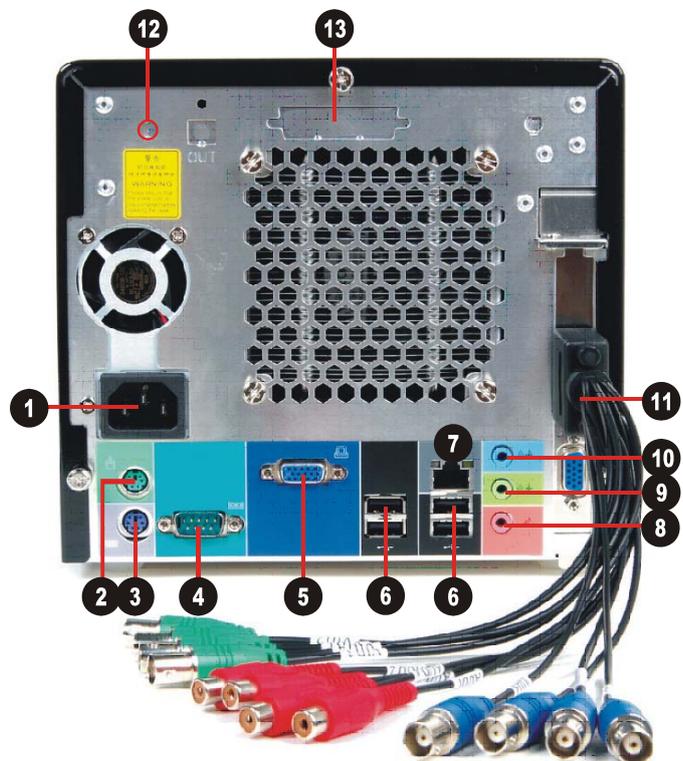
Shuttle D1416 – Connectors

Front View



- 1 Power button
- 2 Power LED
- 3 Hard disk LED
- 4 7" Touchscreen
- 5 3 On-Screen-Display buttons
- 6 5.25" bay for optical drive
- 7 Eject button for optical drive

Rear View



- 1 AC Power Plug
- 2 PS/2 mouse connector
- 3 PS/2 keyboard connector
- 4 Serial port
- 5 Sub-D VGA connector
- 6 4x USB 2.0 ports
- 7 Gigabit LAN port
- 8 Microphone input
- 9 Audio Line output
- 10 Audio Line input
- 11 PCIe x1 Video Surveillance card with adapter
- 12 Optional WLAN (PN20)
- 13 Optional parallel port (PC8)



Video Framegrabber Card
with 4 converter chips (2 on each side)

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