

Detailed specifications webcam SPC620NC



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DETAILED SPECIFICATIONS – SPC620NC

1 Display moving video resolution

Output res.	Pixels (H x V)	Frame rate	Terms	Remark
1.3 MP	1280 x 960	30, 20, 15, 10, 5 fps	Required	SW up sampling
VGA	640 x 480	30, 25, 20, 15, 10, 5 fps	Required	Optical resolution
CIF	352 x 288	60, 30, 25, 20, 15, 10, 5 fps	Required	SW down sampling
SIF	320 x 240	30, 25, 20, 15, 10, 5 fps	Required	SW down sampling
QCIF	176 x 144	30, 25, 20, 15, 10, 5 fps	Required	SW down sampling
QSIF	160 x 120	30, 25, 20, 15, 10, 5 fps	Required	SW down sampling

2 Display still image resolution

Output res.	Pixels (H x V)	Terms	Remark
5.0 MP		Required	SW up-scaling (interpolation)
4.0 MP		Required	SW up-scaling (interpolation)
3.0 MP		Required	SW up-scaling (interpolation)
2.0 MP		Required	SW up-scaling (interpolation)
1.3 MP		Required	Optical resolution
SVGA	800 x 600	Required	SW up-scaling (interpolation)
VGA	640 x 480	Required	SW down sampling
CIF	352 x 288	Required	SW down sampling
SIF	320 x 240	Required	SW down sampling
QCIF	176 x 144	Required	SW down sampling
QSIF	160 x 120	Required	SW down sampling

3 Detailed dimensions

Part	Width	Height	Depth
Lens	32 mm	32 mm	16 mm
Body	40 mm	56 mm	12 mm
Stand (folded)	39 mm	30 mm	88 mm
Stand clamp capacity	-	-	10 – 70 mm

DETAILED SPECIFICATIONS – SPC620NC

4 Power consumption

The SPC 620NC is USB 2.0 bus powered	
Operation mode	< 150mA (V-Bus)
Stand-by mode	< 50mA
Suspend mode	< 500uA

5 Overall system requirements

Interface	USB 2.0 certified and USB 1.1 backwards compatible
Operating systems	<ul style="list-style-type: none">• Microsoft Windows® Vista Home Basic, -Home Premium, -Ultimate, -Business, -Starter, Windows XP Professional, -Home, Windows XP 64 bits, Media Centre Edition.
Minimal system requirements	For a Microsoft Windows-based PC: <ul style="list-style-type: none">• Microsoft Windows® Vista Home Basic, -Home Premium, -Ultimate, -Business, -Starter, Windows XP Professional, -Home, Windows XP 64 bits, Media Centre Edition.• Pentium 500 MHz or higher processor• 128 MB of RAM• 200 MB of available hard disk space• USB 2.0 or USB 1.1 port• CD drive
Recommended system requirements	For a Microsoft Windows-based PC: <ul style="list-style-type: none">• Microsoft Windows® Vista Home Basic, -Home Premium, -Ultimate, -Business, -Starter, Windows XP Professional, -Home, Windows XP 64 bits, Media Centre Edition.• Pentium 1.5 GHz or higher processor• 512 MB of RAM• 200 MB of available hard disk space• USB 2.0 or USB 1.1 port• CD drive
Application software compatibility	<ul style="list-style-type: none">• Microsoft NetMeeting 5.0• Microsoft MSN Messenger• Yahoo! Messenger• AOL Messenger• Skype• Arcsoft VideoImpression 2.0• Adobe PhotoShop 5.0• Arcsoft PhotoImpression 3.0• Microsoft's Windows XP sound recorder• VLounge Advanced from Arcsoft• Advanced control panel

DETAILED SPECIFICATIONS – SPC620NC

6 Lens specifications

F: 2.4
Construction: Non spherical surface plastic/glass
Distortion: <1.0%
Optical format: 1/4"
Material: Non spherical surface plastic/glass
Depth of field: 0.8 m ~ infinity
Focus distance: 1 cm ~ Infinity adjustable
Focus default: 60 cm
Focussing: Will be done by rotation
Resolution: 90/90lp/mm on axis and off axis
Depth of field @ 1.2m focus point: 80 cm ~ infinity
Wave length: $\lambda=400-670$ nm (colour)
Lateral axial chromatic aberration: Centre <3 μ m and diagonal <9 μ m
Relative illumination: >80 %
IR Cut-off Filter: 670nm \pm 10 nm
Flare ratio: <4% according to ISO 9358
Mount: M12 x 0.5P
Shading: 30%

7 Microphone specifications

Sensitivity : -34 \pm 3dB (0dB = 1V / 0.1Pa.1kHz)
Directivity : Omni-directional
Frequency : 40 - 16000 Hz
S/N ratio : 58dB (minimum)(A-curve at 1kHz.0.1Pa)

8 Software (driver, firmware, PC software)

Philips VLounge Generic application software <i>Available languages</i> Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Slovak, Spanish, Swedish, Turkish	version V1.0.0.75 (2007-07-17) or higher are required in order to enjoy full product functionality
Drivers (XP, Vista) <i>Available languages</i> Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Slovak, Spanish, Swedish, Turkish	version v1.61.1.5790 (2007-10-11) or higher are required in order to enjoy full product functionality