



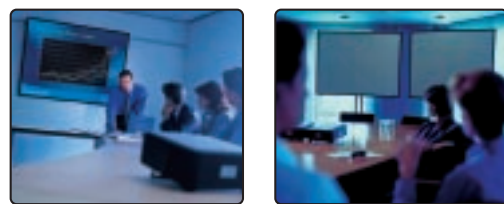
Super-silent

The Hopper is the world's first *super-silent* projector to feature PAS™ – Philips Air System, a proprietary heat and noise diffusion technology. This is the ideal solution for presenters, especially those who frequently present in smaller meeting rooms. Its lightweight portability means it is the perfect choice for presenters who are on the move.

Smart, robust design

The Hopper has won acclaim from presenters and industry experts alike for its smart design. Elegantly styled, compact and yet durable, it is engineered to deliver the exceptional Philips award-winning digital picture performance. It's a great way to make an impact on your audience, even before you get started. The Hopper's user-friendly plug and play operation and free hassle-free support win the confidence of even the most novice user. It also wins valuable time for IT-support managers by eliminating needless helpdesk calls.

For a winning presentation solution there is just one choice.
The Hopper.



The Hopper 20 Series, ultra-silent lightweight projectors

Designed for performance



20

ultra-silent lightweight XGA projector

Hopper XG20

Super XGA performance

The bright, high-performance solution with pin-sharp resolution for power presenters, and XGA notebook users.

1000 ANSI lumens
XGA resolution



20

ultra-silent lightweight projector

Hopper SV20

Bright performance. Excellent value.

The compact all-round performer to meet the needs of most presenters. This is an elegant meeting room solution for business, to replace standard analog tools, such as overhead projectors, white boards, flip charts and hand-written meeting notes.



1000 ANSI lumens
SVGA resolution

Hopper XG20 and Hopper SV20

PAS™ (Philips Air System) for silent operation



Zoom and Focus



Ceiling mountable



Ultra lightweight

- Long-lasting – up to 4000 hours – UHP™ (Ultra High Performance) lamp for uniform images, rich colours and brightness over time, without hot spots
- Philips LIMESCO™ chip – guarantees compatibility with all data and video sources up to SXGA
- Auto voltage for safe usage around the globe
- Keystone correction and retractable support foot/carry handle
- Kensington lock

Simple one-touch performance



1 PLUG 2 PLAY 3 IMPRESS

The Philips Advantage

Philips Digital TV performance

For generations, Philips has been recognized as the leader in television, and more recently in digital television technology. So when it comes to picture quality, Philips continuously gains the competitive edge by leveraging this experience in television to create cutting-edge picture-processing electronics for projectors – the large television of the future.

Free support

Philips projectors have service built in as part of the product – or rather, we have designed-out the dependence on your IT support department. Easy to use. Tough build. Long-lasting lamp. The Philips LIMESCO™ chip makes compatibility and connecting to any source a breeze even for the novice. Whether in the office or on the road, the Philips helpdesk is just one toll-free call away.

- Robust, reliable technical design
- First Choice support*
- Free toll-free technical support*
- Sales support worldwide

Widest compatibility

The Philips LIMESCO™ (Line MEMory Scan Converter) is the first to convert information from any data or video source, without loss or deterioration of information.

Rich colours and brightness

The Philips UHP Lamp is the first lamp to retain rich colours and brightness over time without creating hot spots.



Free accessories

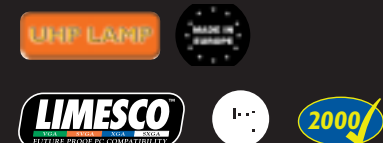
- Carry bag
 - Remote control
- Elegantly contoured to fit the palm of your hand, it permits wireless IR control of your presentation. Includes mouse trackball and easy-touch, back-illuminated buttons.

Smart optional accessories

- For the power presenter who wants more, Philips has a full range of accessories:
- Ceiling mount
 - Deluxe leather hard case
 - Spare UHP lamps

Philips digital tool portfolio

Additional presentation options include: Plasma monitors and TV, PC monitors, video conferencing, PC Cameras, CD ROM and re-writable discs and disc drives. Check out the full range of Philips meeting room products on our corporate web site: www.pcstuff.philips.com



* First Choice and toll-free services are available in the US, Western Europe and some other countries. Check with your Philips dealer for details and the latest regions to be included.

Philips Dealer Stamp

Designed for performance

Ultra-silent lightweight projectors

The Hopper 20 series

features

Hopper XG20

Super-silent XGA performance

- 1000 ANSI lumens
- XGA resolution

Hopper SV20

Low on noise. High on mobility.

- 1000 ANSI lumens
- SVGA resolution

Hopper Series

- PAS™ (Philips Air System) for silent operation
- Zoom and Focus
- Ceiling-mountable
- Ultra-lightweight – just 4.9 kg

- Long-lasting – up to 4000 hours – UHP™ (Ultra High Performance) lamp for uniform images, rich colours and brightness over time, without hot spots
- Philips LIMESCO™ chip – guarantees compatibility with all PC/Mac data and video sources up to SXGA
- Fast plug-in connectivity and simple one-touch operation
- Auto voltage for safe usage around the globe
- Keystone correction and carry handle
- Audience size up to 150 people
- Free carry bag included
- Kensington lock
- Free remote control included
- Free support:
 - Robust, reliable technical design
 - First Choice* support
 - Free toll-free technical support*

technical specifications

LCD 3x 0.9" HT Poly Silicon Active Matrix
Contrast 200:1
Lamp UHP 120W compact. End user replaceable. Up to 4000 hours
Lens F1.8 - 2.2; f = 38 - 50 mm
 Manual zoom x 1.3; manual focus
 Projection distance 1.1 - 11 m; diagonal 20" - 280"

Input signals
Video NTSC (B/G,M) 3.85, 4.43, PAL (B/G,M), SECAM
Data PC and MAC compatible, Multiscan VGA, SVGA, XGA, SXGA via LIMESCO full screen XGA or SVGA, auto identification, horizontal scan rate up to 90 kHz, vertical refresh rate up to 110 Hz, maximum bandwidth 130 MHz.
Power in 100 - 240 V, 50/60 Hz, 200 W

Input connections
Video S-video (Y/C DIN), video (cinch), stereo audio (2 x cinch)
Data Mini sub-D data (15-pin)/PC, stereo audio (3.5 mm stereo jack) / serial mouse (RS232 and ADB)

Mains Mains input socket (3-pin)
Output connections
Audio Stereo audio (3.5 mm stereo jack)
Specialties Long life and constant light output over entire projection lamp life; Philips LIMESCO (Line Memory Scan COnverter) inside for fully automatic MultiScan data input handling; VGA up to SXGA resolutions to full screen (frame buffer); Intuitive graphic user interface; Full PC control via ergonomic trackball RC unit; Fully plug and play compatible (DDC 1/2b); Line doubling technique for perfect video performance; Low noise ventilation/ceiling mount (full mirror)/standby

Certifications
 Europe: CE marking (EMC(ClassA) & safety)
 USA/Canada: FCC Class A (EMC)
 UL & cUL (safety)
 Rest of the World: CB report (safety)

Dimensions 254 x 315 x 109 mm (10.0" x 12.4" x 4.3") (w x h x d); <9 dm³
Net weight 4.9 kg/approx. 11 lbs
Package Hopper XG20/Hopper SV20 plus:
 Lens cap, VGA cable (2 m), mouse cable set (2 m, 8-pin Mini DIN to RS232; 2 m 8-pin Mini DIN to 4-pin Mini DIN Apple MAC (ADB)), audio/video cinch cable (2 m, video/audio stereo), SCART adaptor* (region dependent), power cord (3 m), remote control + 3 x AA batteries, system carrying bag, user guide (7 languages)

Models available
Hopper XG 20 XGA - 2,359,296 pixels
 Brightness 1000 ANSI Lumens
 LC4043/17 USA version
 LC4043/40 European/Rest of World version
Hopper SV20 SVGA - 1,440,000 pixels
 Brightness 1000 ANSI Lumens
 LC4033/17 USA version
 LC4033/40 European/Rest of World version
Accessories UHP 120W compact projection lamp, leather hardcase, Mac adapter, ceiling mount

More information

www.pcstuff.philips.com tel: +800 37 44 54 77

	Projection distance		Image diagonal size			
			Tele zoom		Wide zoom	
	(inch)	(meter)	(inch)	(meter)	(inch)	(meter)
Minimum	43	1.1	21	0.5	28	0.7
	79	2.0	38	1.0	50	1.3
	157	4.0	76	1.9	101	2.6
	236	6.0	115	2.9	151	3.8
Maximum	315	8.0	153	3.9	202	5.1
	394	10.0	191	4.9	252	6.4
	433	11.0	211	5.4	277	7.0



The Hopper 20 series

Designed for performance

In a silent way



- Philips digital TV performance
- Widest compatibility
- Free support
- Smart, robust design

Let's make things better.



PHILIPS

Let's make things better.



PHILIPS