XG20 Impact
XG20
SV20 Impact

# The new Hopper 20 Impact Series

# Add impact

## In a silent way

## The accessories
### Helping you get the most out of your projector

All Philips projectors come with a convenient and lightweight travelling bag, as well as a free wireless remote control.

There's also a smart range of optional accessories to help you get the most out of your projector, including:

• VGA Y-cable for external monitor loop-through
• Deluxe trackerball remote control
• Ceiling mounts
• Deluxe leather hard cases
• Spare UHP™ lamps
• Projection screens

## The full Philips portfolio

A selection of additional presentation aids are also available, including everything from monitors, TVs, PC cameras and DVD players. Visit our website for the complete list.

www.pcstuff.philips.com

Philips Dealer Stamp

## features

### Hopper XG20 Impact
**Ultra high-performance projector**
• 1250 ANSI lumens
• XGA resolution

### Hopper XG20
**High performance XGA projector**
• 1000 ANSI lumens
• XGA resolution

### Hopper SV20 Impact
**Advanced SVGA projector**
• 1250 ANSI lumens
• SVGA resolution

### Hopper series
PAS™ (Philips Air System) for silent operation

Complete picture control: Digital Freeze, Digital Zoom, Auto Image, Picture formats 4:3 or 16:9

Digital keystone correction

Universal Serial Bus (USB)

• 150W long-lasting – up to 2000 hours – UHP™ (Ultra High Performance) lamp for uniform images, rich colours and brightness over time, without hot spots
• Easy plug&play
• Ultra lightweight – just 4.9 kg
• Connect an external monitor with optional VGA Y-cable
• Ceiling mountable
• Auto voltage for safe usage around the world
• Audience size up to 150 people
• Kensington lock
• Free lightweight carry bag included
• Free remote control included

Free support:
• First Choice® support
• Free toll-free technical support®

More information

www.pcstuff.philips.com/projectors

3122 435 64790
Design and specifications are subject to change without notice

® Available in the US, Western Europe. Check with your dealer for similar coverage in other regions.

## technical specifications

| | XG20 Impact | XG20 | SV20 Impact |
|---|---|---|---|
| | LC4246 | LC4242 | LC4236 |
| **LCD** | | 3x 0.9" high-temperature poly-silicon active matrix LCDs | |
| Micro-lens array | yes | no | no |
| Resolution | | XGA resolution (1024x768) | SVGA resolution (800x600) |
| Number of pixels | | 2.359.296 | 1.440.000 |
| **Brightness** | 1250 ANSI Lumens | 1000 ANSI Lumens | 1250 ANSI Lumens |
| **Contrast** | 200:1 | 250:1 | 300:1 |
| **Lamp** | | UHP™-compact 150W (2000 hours), end user replaceable | |
| **Lens** | | F/1.8-2.2 ; f = 38 – 50 mm | |
| | | 1.3x Manual Zoom; Manual Focus | |
| | | Projection distance 1,1 - 11 m (image diagonal 20" - 280") | |
| **Input signals** | | | |
| Video | | NTSC 3.58, 4.43 / PAL B/G N, M / SECAM | |
| | | HDTV (720p, 1035i, 1080i) | |
| Data | | PC and Mac compatible, Multi scan VGA-SXGA; Auto Image | |
| | | Horizontal Scan rate: up to 108 kHz; Vertical Refresh rate: up to 120 Hz | |
| | | Bandwidth 140 MHz. | |
| **Input connectors** | | | |
| Video | | 1x S-Video (Y/C DIN), 1x CVBS Audio/Video (3x RCA) | |
| Data | | 1x D-sub (15 pin), 1x PC  Stereo Audio (3.5 mm. stereo jack) | |
| Other | | 1x USB type B connector (upstream) | |
| Power in | | 100 – 240V, 50/60 Hz; 240 W | |
| **Output connectors** | | | |
| Audio | | 1x Stereo Audio (3.5 mm. stereo jack) | |
| Other | | 1x USB type A connector (downstream) | |
| **Specialties** | | Long life and constant light output over entire lamp life projection lamp | |
| | | Auto Image for trouble-free operation and optimal image quality | |
| | | Full PC mouse control via RC unit and USB | |
| | | USB Audio for sound from an external source on the projector | |
| | | Powered hub for USB peripherals such as a document camera, keyboard, printer etc. | |
| | | 33dB Philips Air System for silent operation | |
| | | External monitor loop-through functionality (via optional VGA Y-cable) | |
| | | Digital keystone correction, Digital Zoom/Freeze, Picture format 4:3 or 16:9 | |
| **Dimensions** | | 254 x 315 x 109 mm (10.0" x 12.4" x 4.3") (WxDxH) | |
| **Net weight** | | 4.9 kg; 11 lbs | |
| **Operating temperature** | | +5 .. +35 °C (41 .. 95 °F) | |
| **Package** | Hopper XG20 Impact | Hopper XG20 | Hopper SV20 Impact |
| | Trackerball remote control | | Compact remote control |
| | | Power cord, VGA cable (D-sub, 15-pin), USB cable (2m) | |
| | | Audio/Video cable (3x RCA, 2m) | |
| | | Scart adapter (scart to RCA audio/video)** | |
| | | Lenscap | |
| | | Soft carrying bag | |
| **Optional accessories** | | CD-ROM User Guide (7 languages) | |
| | | UHP™ 150W replacement lamp (LCA3109/00) | |
| | | Ergonomic trackerball remote control (LCA4113/00) | |
| | | Leather travel Case (LCA1145/00) | |
| | | VGA Y-cable for Monitor Out (LCA5310/00) | |
| | | VGA extension cable, 15 meters (LCA5300/00) | |
| | | Ceiling mount (LCA2205/00) | |
| **Executions** | LC4246/17 USA version | LC4242/17 USA version | LC4236/17 USA version |
| | LC4246/40 EU/ROW version | LC4242/40 EU/ROW version | LC4236/40 EU/ROW version |

** depending on regional availability

| Image diagonal size | | Projection distance | | | |
|---|---|---|---|---|---|
| | | Tele zoom | | Wide zoom | |
| [inch] | [meters] | [inch] | [meters] | [inch] | [meters] |
| 40 | 1,0 | 85 | 2,1 | 65 | 1,6 |
| 60 | 1,5 | 128 | 3,1 | 97 | 2,4 |
| 72 | 1,8 | 153 | 3,8 | 109 | 2,7 |
| 84 | 2,1 | 179 | 4,4 | 136 | 3,3 |
| 100 | 2,5 | 213 | 5,2 | 162 | 4,0 |
| 150 | 3,8 | 320 | 7,8 | 243 | 6,0 |
| 200 | 5,1 | 427 | 10,5 | 324 | 7,9 |
| 250 | 6,4 | 533 | 13,1 | 405 | 9,9 |

MADE IN EUROPE

• Easy plug&play
• UHP™ lamp
• Extremely compatible
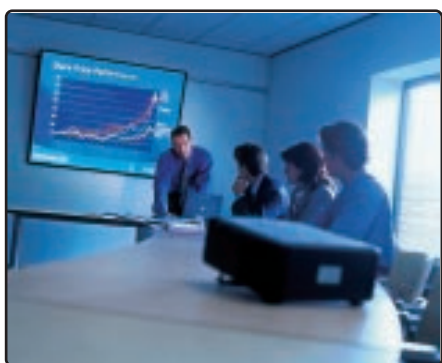• Free support

## Let's make things better.

PHILIPS

## Let's make things better.

PHILIPS

▶ **Introducing the new super silent, lightweight Hopper 20 Impact series – impressively brighter and significantly easier to use. Your perfect presentation partner.**

*"Well the Hopper is perfect for me. Easy to use, 100% reliable, and with free 24hr support, if I should ever need it."*

*"It's great when I travel. Really light and compact...plus it sets up in minutes."*

**Sounds like a great projector**
It's in the hundreds of smaller meeting rooms that the award-winning, super silent Hopper 20 Impact series come into their own. Rooms where a projector is close to the audience and fan noise can be a distraction during a presentation. But with the new Hopper 20 Impact series, fitted with the Philips Air System (PAS™), a unique heat and noise diffusion system, the only sound you'll hear will be the applause.

The new Hopper 20 Impact series also come with a specially developed 150W UHP™ (Ultra-High Performance) lamp and new high aperture LCD panels. This offers a dramatic 25-40% increase in ANSI lumens, as well as a significant improvement in contrast. Ensuring your presentations can be seen as well as they can be heard.

**Easy plug&play**
The new Hopper 20 Impact series are also ultra-portable thanks to their lightweight design, reliable and robust construction, auto voltage for worldwide use, and fast plug-in connectivity. Once set up they're a pleasure to work with – extremely easy to use with straightforward one-touch controls, automatic picture adjustment, on-screen display menu, digital keystone correction, and digital zoom, pan and freeze features.

And, as if this wasn't enough, the advantage of two USB ports enables you to use a plug&play USB mouse, as well as other peripherals, such as external PC speakers or a PC camera. All of which undoubtedly makes the new Hopper 20 Impact series the most user-friendly projectors around today.

*The Hopper 20 Impact series don't just excel in business presentations. Philips' experience in picture performance results in perfectly natural colours, making this projector equally suitable for use in your own home. So experience the wonders of home cinema with the new Hopper 20 Impact.*

**33 dB**

**The New Hopper 20 Impact Series.
More impact, less noise.**

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**Ultra high-brightness XGA projector**

*Hopper impact* **XG20**

**The power to impress**
With a pin-sharp picture, 150W UHP™ lamp and 1250 ANSI lumens, the new XG20 Hopper Impact gives you the power to impress – anytime, anywhere.

**1250** 1250 ANSI Lumens

**XGA** XGA resolution

Special illuminated remote control with ergonomic trackerball

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**XGA projector**

*Hopper* **XG20**

**Pumped-up performance**
The new enhanced Hopper XG20 offers pumped-up performance for power presenters and XGA notebook users. The modern digital replacement for old fashioned overhead projectors and flip charts.

**1000** 1000 ANSI Lumens

**XGA** XGA resolution

Remote control with USB mouse function

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**Advanced SVGA projector**

*Hopper impact* **SV20**

**Ready for impact**
The new SV20 Impact: stylish, compact, silent, lightweight, easy to operate, and available at an affordable price – what more can you ask for in a projector?

**1250** 1250 ANSI Lumens

**SVGA** SVGA resolution

Remote control with USB mouse function

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**Other features of the new Hopper 20 Impact series**

**150W** **150W long-lasting – up to 2000 hours – UHP™ (Ultra High Performance) lamp**

**4.9kg** **Ultra-lightweight for easy travelling (4.9kg)**

**33 dB** **PAS™ (Philips Air System) for super silent operation – 33 dB**

**Digital keystone correction**

**Complete picture control: Digital Freeze, Digital Zoom, Auto Image, Picture formats 16:9 or 4:3**

**USB** **USB (Universal Serial Bus) for:**
• Plug&play mouse control
• USB Audio to play sound from an external source
• Powered hub for peripherals

**External monitor loop-through functionality (via optional VGA Y-cable)**

● Ceiling mountable
● Kensington lock
● Free lightweight carry bag
● Auto voltage for safe use around the globe

*Elegantly styled. Compact. Durable and sturdy. The design of the new Hopper 20 Impact series ensures that you make an impact on your audience before you even start.*

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## The Philips Guarantee

**The Philips range of advanced multimedia projectors.**
Combining portability, reliability, and unsurpassed performance with a host of technological innovations. All of which guarantees you impressive and hassle-free projection wherever you are. Just what you'd expect from the innovative world leader in sound and vision technology.

**UHP™ lamp**
All of our projectors contain the unique Philips UHP™ (Ultra High Performance) lamp. The first lamp to retain rich colours and brightness without creating hot spots over its amazingly long life. Cutting costs and hassle.

**Extremely compatible**
Philips projectors are extremely compatible with a whole range of data and video sources, thanks to their highly advanced scaling technology. And it always converts information without any loss or deterioration. A serious advantage when you need to make a good impression.

**Free support**
The whole unique Philips projector package is backed up by the outstanding Philips First Choice service. A Toll-Free Helpline* offers you help and advice, seven days a week, while the Philips First Choice® service is there for more difficult problems – guaranteeing you a temporary replacement, with free delivery, within 48hrs. A truly unbeatable package.

*\* Currently only available in the US and Western Europe. Check with your Philips dealer for more details.*

**Philips projectors**
The Hopper 20 Impact series are part of the award-winning range of Philips projectors. Projectors with different strengths and features, to meet the different needs of different applications. So whatever your demands are, Philips projectors can more than match them. Visit our website for more information.

**www.pcstuff.philips.com/projectors**