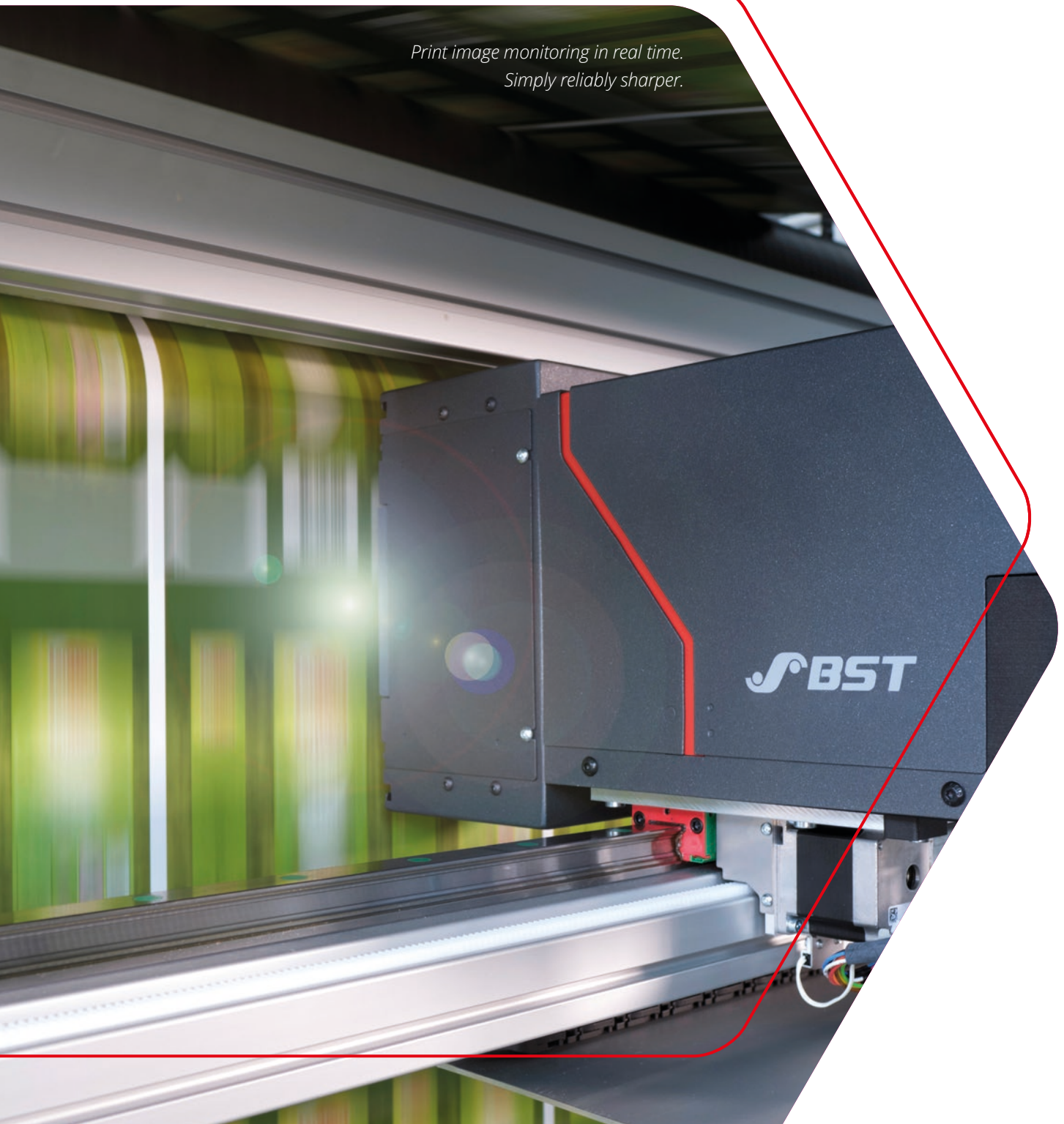Simply monitor print images more precisely.

BST PROView

Print image monitoring in real time.
Simply reliably sharper.

BST PROView

Simply print monitoring:
everything in view, easy to handle.

Printing companies under pressure:

Suppliers in the printing industry have to respond to ever-increasing market demands: In a highly competitive environment, customers expect perfect results at the lowest possible price. The print image must continue to be precisely monitored and inspected to ensure flawless printing results – and, consequently, satisfied customers.

Precision Based on Experience

As a leading manufacturer of quality assurance systems for the web-processing industry, BST has performed over 100,000 installations in more

than 100 countries around the world. We support suppliers from web-processing industries with completely reliable products and services that also perfectly suit your company.
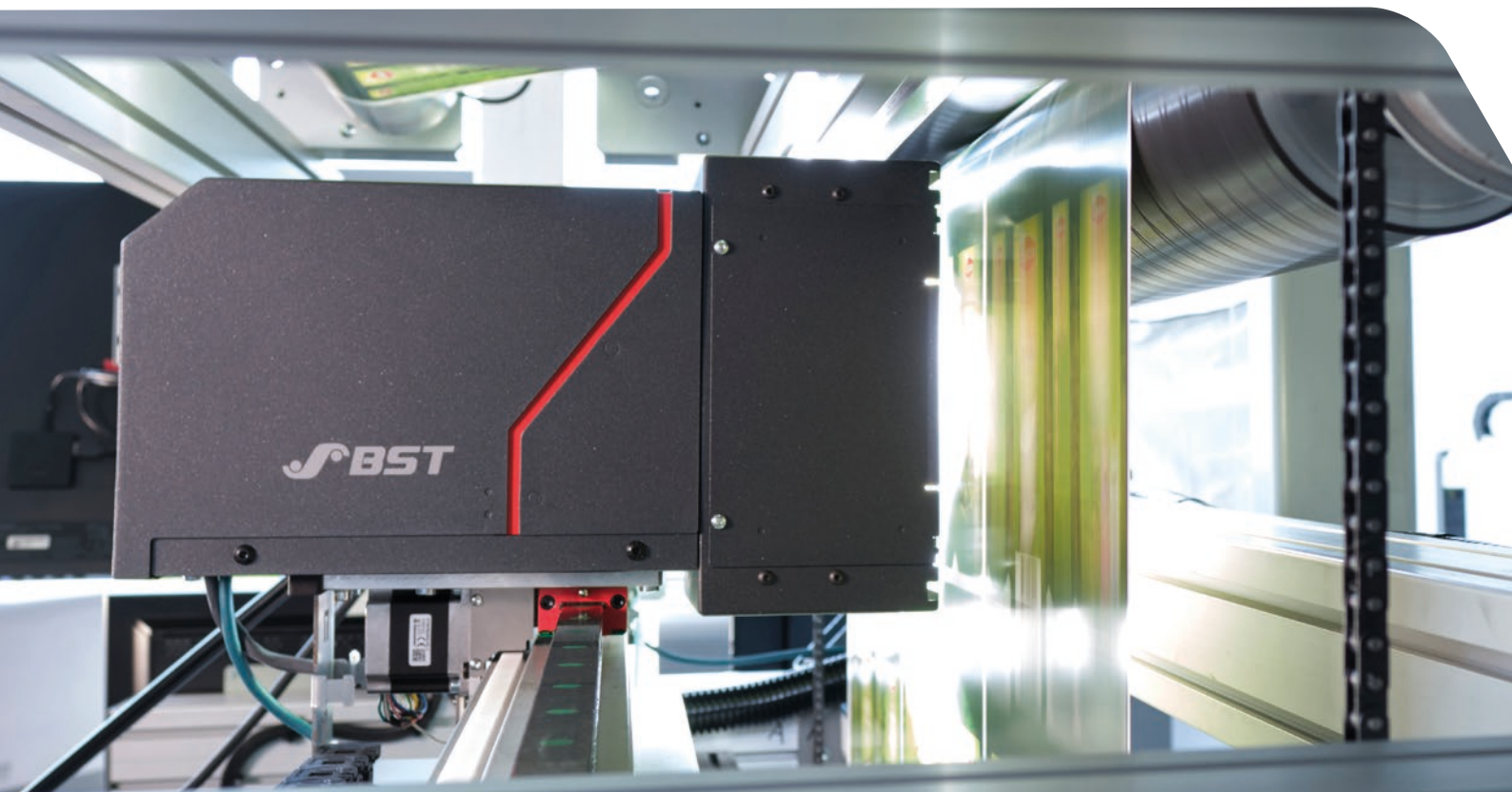
BST PROView: Top print quality is as simple as that.

BST PROView brings reliable high performance to real-time print image monitoring: While even the most alert eye cannot cope at printing speeds beyond 1,000 meters per minute, our latest camera-based monitoring system is at its best here. When designing BST PROView, our primary **focus was on simplicity:**

Simply reliable BST PROView impresses thanks to a consistently strong performance that helps minimize defects effectively.

Simply convenient PROView is convincing throughout the entire process, from installation and commissioning to operation, expansion and maintenance.

Simply first-class BST PROView ensures precise results with every print run by continuously monitoring the print image.

BST PROView

Simply convincing: during installation, commissioning, and application

Rapid Commissioning
» Plug-and-play: easy installation
» Cost-effective and fast system activation

Intuitive Operation
» Minimal training required
» User-friendly operation via multi-touch panel
» Tried-and-tested BST operating concept

First-Class Display
» Print image reproduction on high-resolution 22-inch monitor
» Excellent image quality and true-to-detail color reproduction

The first-class image quality of BST PROView enables reliable quality control.

Flexible Use
» Suitable for narrow web as well as for wider material webs due to traverse mounting
» Two different cameras with different image sections available
» Maximum versatility thanks to modular expansions

High Efficiency
» Attractive price-performance ratio
» Individually adaptable mid-range system with the latest technology and software at a fair price

Cost-Effective Service
» Support for setup and fault diagnosis via remote maintenance
» Autonomous software update via USB

BST PROView

Simply good:
Equipment at a high level as standard

Even the basic version of the PROView monitoring system offers an impressive range of functions that make process flows more efficient and grant you decisive benefits every day. The following always applies: PROView takes control of the print image with maximum reliability – at all stages of expansion.

Durable Lighting Unit

An LED strobe ensures homogeneous illumination of the material web in the long term. UV strobes and lacquer strobes can be easily retrofitted via plug-and-play.

Position Memory

The position memory function saves an unlimited number of different camera positions (including the settings for field of view, zoom, iris, and position along web length), allowing them to be easily retrieved at any time.

Job Memory

The number of jobs that can be stored is unlimited (depending on the available hard disk space).
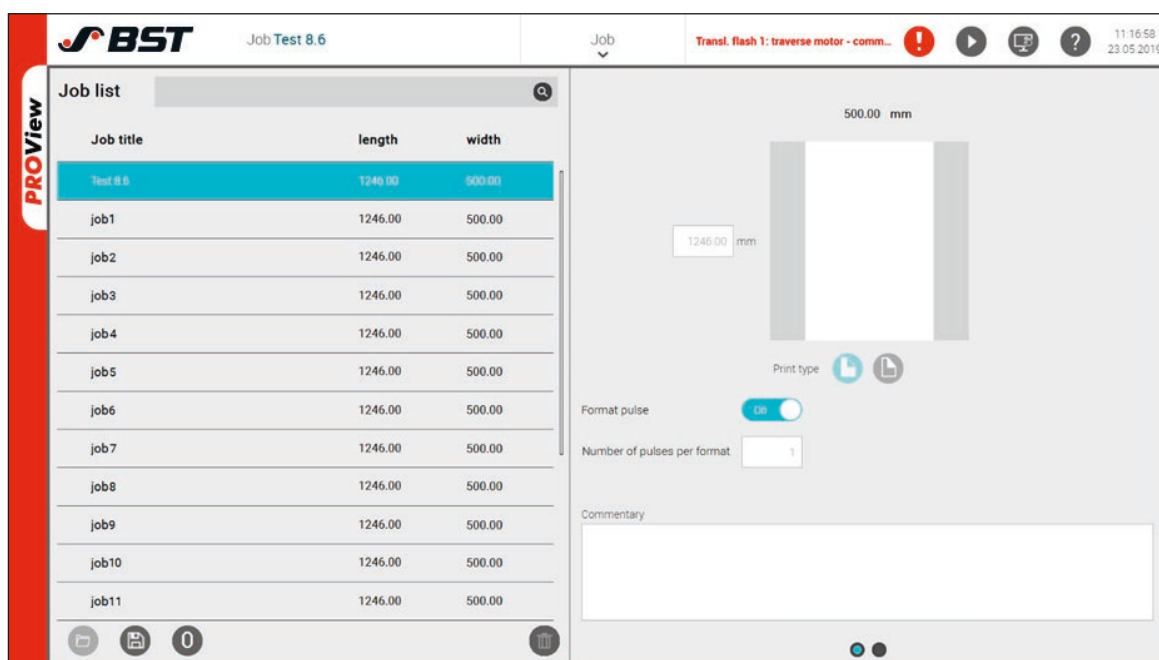
Split Screen

On the split screen, the reference image and actual image can be displayed at the same time – in line with the saved settings for field of view, zoom, iris, and position along web length – and can be directly compared with one another. The split screen function makes it possible to continually compare the appearance of the current print and a reference sample.

Virtual Repeat

The virtual repeat function allows you to conveniently navigate the camera across the printed web. One keystroke is all it takes for PROView to create the entire format as a single overview image.

Job memory: Display of unlimited number of jobs that can be stored

Simply better:
PROView with custom options

Thanks to its modular design, the PROView system is perfectly adaptable to your needs. As such, in addition to two camera and lighting units in different sizes, you can freely choose from various expansion options. These additional options allow you to increase the performance capability of your system so it best suits your application:

Front-to-Back Control

» With optional second opposite camera or backlight strobe
» Enables observation of the front side of the web (recto printing) and the reverse side (verso printing)
» Alternating or simultaneous display (in split-screen mode) of both sides as desired
» Also possible on opaque paper webs

Backlight Strobe

» Advanced lighting options
» Eliminates shadows cast by translucent materials
» No camera alignment necessary for front-to-back control

Lacquer Strobe

» Making coatings visible in printing by changing the angle of illumination
» Factory installation or retrofit via plug-and-play

UV Strobe

» Making fluorescent pigments visible
» Factory installation or retrofit via plug-and-play
» Only available in combination with lacquer strobe

The controller and camera unit with integrated lighting are included as standard. The backlight strobe shown (right) is optional.
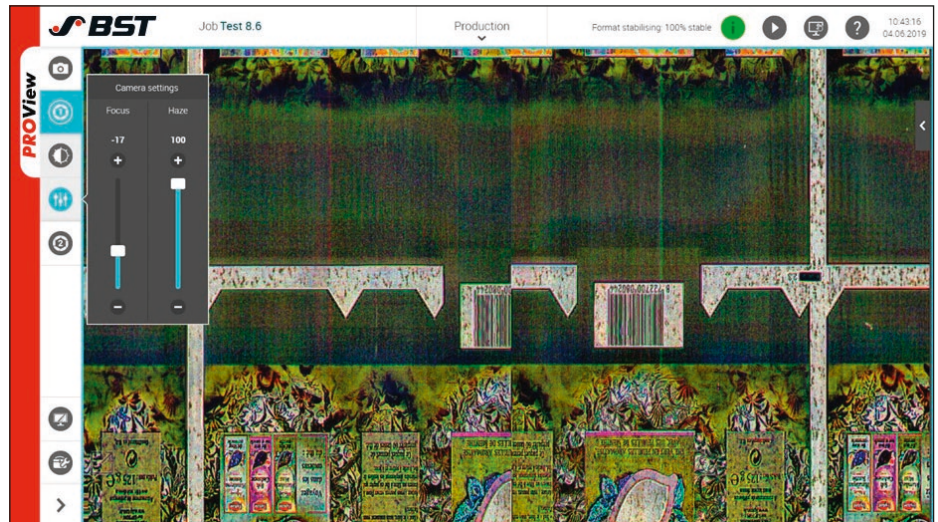
BST PROView

Simply better:
PROView with custom options

Snapshot Gallery
» Remote monitoring of production
» Up to 50 live images can be saved per job
» Accessible via your company network – at any time and from anywhere

Display of Weak Contrasts (Haze Guard)
» The "invisible" is made visible
» Visualization of missing lacquer and any type of defect due to weak contrasts such as color streaks and scumming
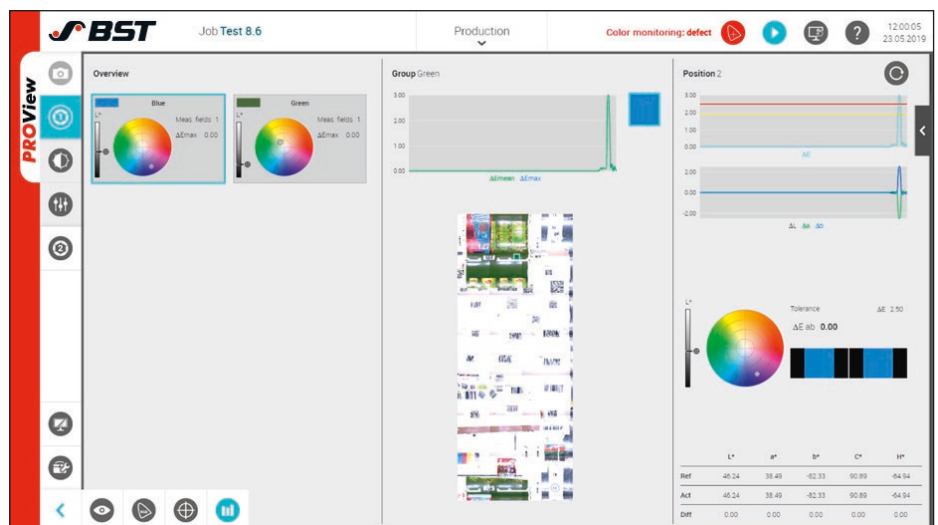» Display improved contrast view via slider

Display of Weak Contrasts (Haze Guard)

Semi-automatic CI Register Control (Smart Register)
» Fast and specific support for register setting in the event of machine downtime
» Assignment of inking units and all other colors to printing units via the monitor
» No additional register marks
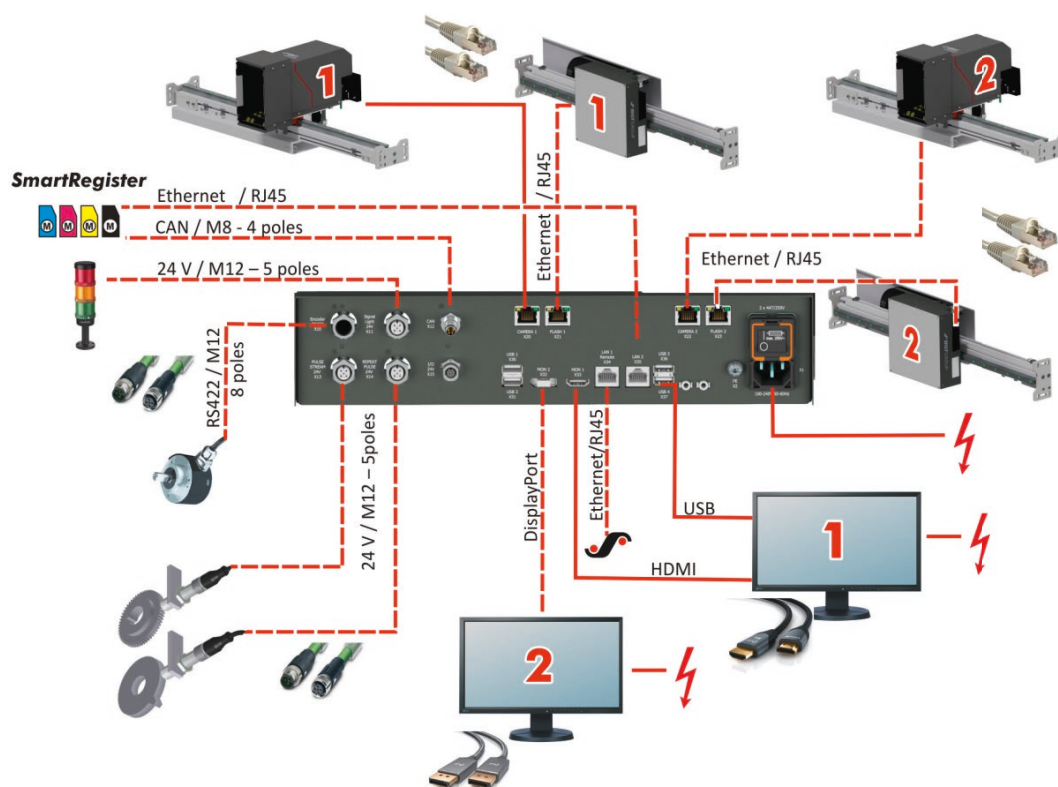» Fully automatic register control on machine start-up

Relative Color Measurement (Color Monitoring)
» Identifies color deviations as compared to previously defined color values
» Measuring points can be freely selected
» Status display defect reports
» Optional alarm traffic light to warn of color deviations

Relative Color Measurement (Color Monitoring)

Simply summarized:
Technical data

	PROView Camera S	PROView Camera L
Camera	High-resolution CMOS sensor	
Field of view	min. 12.5 mm x 9.4 mm max. 125 mm x 94 mm	min. 13.75 mm x 10.3 mm max. 225 mm x 169 mm
Max. web speed	1,000 m/min	
Housing dimensions	W x H x D: 141 x 228 x 386 mm	W x H x D: 250 x 400 x 550 mm
Controller dimensions	W x H x D: 350 x 80 x 205 mm	
Voltage supply	100–240 V AC / 3.6 A at 120 V AC, 1.6 A at 230 V AC	
Traverses	300 mm to 3,500 mm in 50-mm increments for traverse lengths below 1,000 mm or 100-mm increments for traverse lengths exceeding 1,000 mm	
Max. cable lengths	Camera: 30 m, external operating panel: 5 m, Monitor: 5 m, Trigger input: 30 m	

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