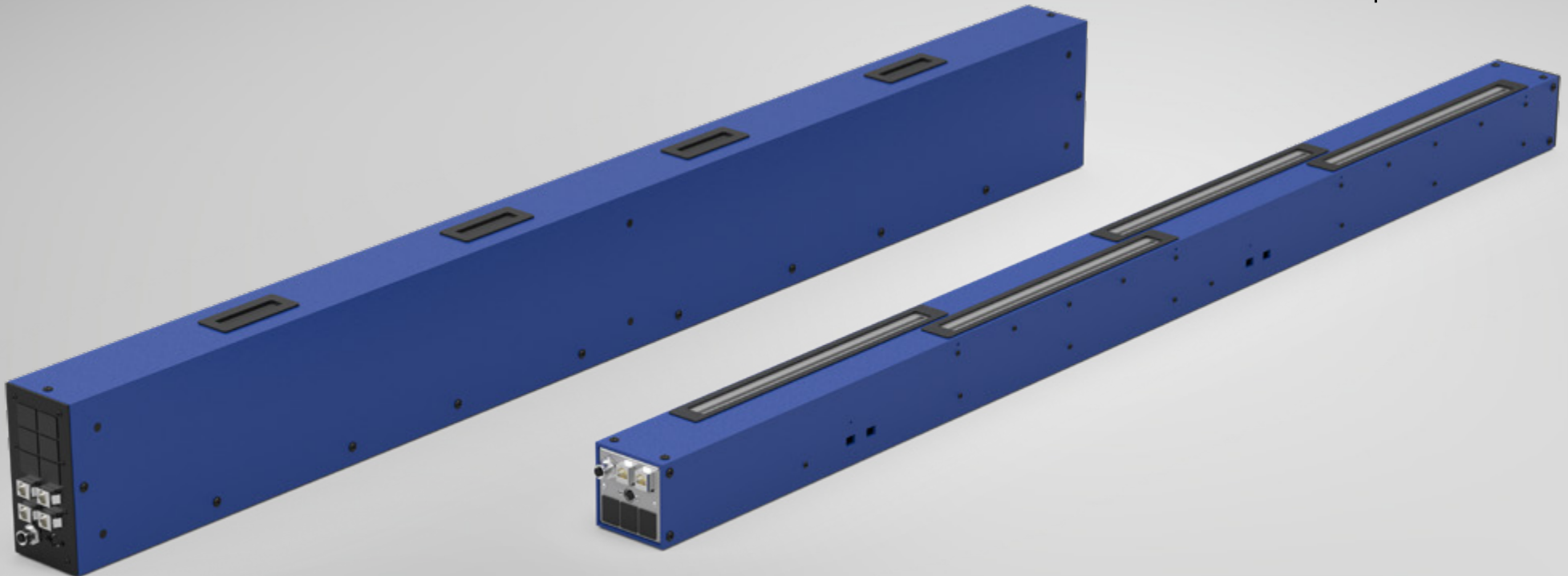


WideSCAN
Tube

SURFACE QUALITY IN FOCUS

Integrated machine vision for inline
surface inspection.



/// MADE IN GERMANY

WideSCAN TUBE

Industrial imaging for inline surface inspection

Machine vision systems often require imaging hardware, illumination, electronics, and software from several suppliers.

WideSCAN™ TUBE offers a simpler starting point: a coordinated solution that captures image data for inspection on the production line. It connects via Gigabit Ethernet, while the coordinated hardware and lighting reduce the work of bringing separate components together.

With Image Access as a single point of contact for hardware, optional AI analysis, and support, teams can spend less time coordinating suppliers and more time focusing on their inspection needs.

ONE SYSTEM. ONE PARTNER.

EASY INTEGRATION.



**FROM RELIABLE IMAGE DATA
TO CLEARER QUALITY DECISIONS.**



RELIABLE IMAGING

An IP54 rating or higher can be provided to suit your requirements. It helps protect the scanner from dust and dripping water, supporting consistent image capture..



FLEXIBLE SIZING

Scanning widths are available from 24 to 120 inches in 12-inch increments. This allows the capture area to be matched to different material widths on the production line.



SYNCHRONIZED C

The rotary encoder in capture with conveyor speed varies, this mai image proportions for



THE ALL-IN-ONE SOLUTION

One compact industrial housing brings together imaging hardware, illumination* and electronics, reducing the number of separate components you need to mount and coordinate.

TELECENTRIC IMAGING WITH SHORTFOCUS

The telecentric optical system* reduces perspective effects during image capture. This helps maintain consistent image geometry for subsequent inspection.

MORE DISTANCE AND LIGHTING FLEXIBILITY

Our LongFocus works at a distance of 400 mm from the material, leaving more space between the scanner and the Productionline. Its externally mounted lights support different illumination setups for different surfaces and inspection tasks.

EASY ACCESS VIA WEB API

Scan2Net® delivers image data over Ethernet, while its web API provides direct access across all platforms.

*Applies to ShortFocus

CAPTURE

put aligns image
r movement. As line
ntains consistent
inspection.



RELEVANT DETAIL

Resolution settings from 150 to 1200 dpi allow image capture to match the level of detail required for each inspection task. This provides suitable image data for assessing relevant surface features.

DETECT DEFECTS EARLY.

STOP THEM BEFORE THEY MULTIPLY.

WideSCAN
Tube

AI VISION SOFTWARE - DETECT, LOCATE AND CLASSIFY DEFECTS IN SECONDS

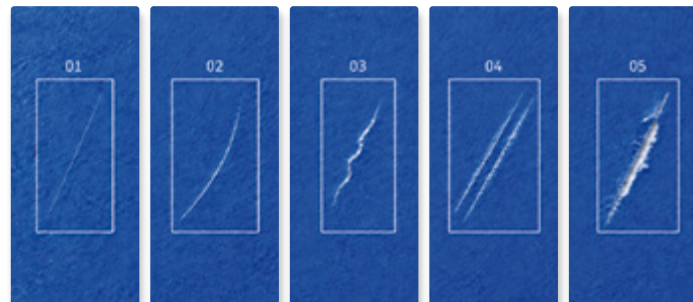
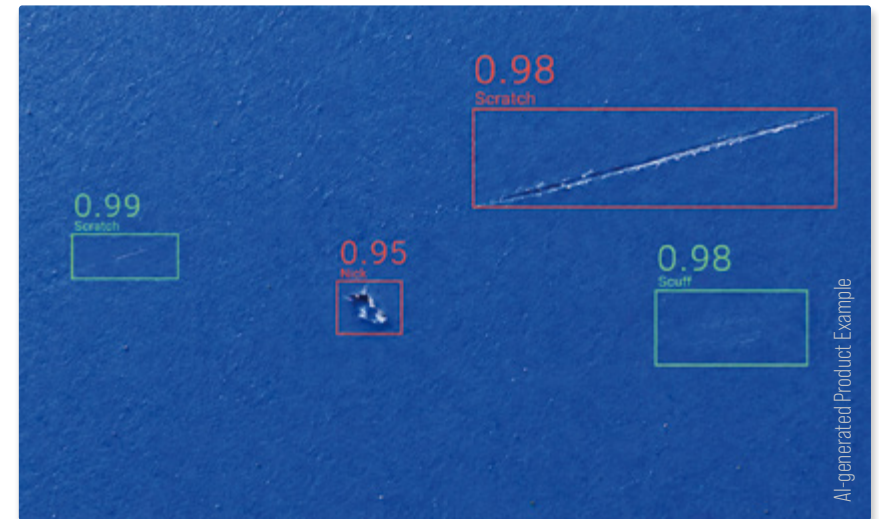
Image data from the production line can feed existing analysis software. The optional WideSCAN™ AI Vision Software adds trained detection of defined surface defects. It highlights potential findings in new images and classifies them for review, supporting real-time quality monitoring. Each finding shows its marked location, predicted defect type and confidence value, helping quality teams investigate and respond before the same defect affects more material.

Small Details in Motion

Even small, defined defects can be detected as material moves through production. Rapid analysis brings relevant areas to attention for review while production continues.

A Clear View of Tolerance

Green markings indicate findings within the defined tolerance; red markings highlight those outside it. This makes it easier for quality teams to see which areas need closer review.



AI-generated Scratch Examples

Defect Training

Marked images teach the software to recognize defined defect types. The five scratches shown are examples from a larger training set.

Training runs on the device; models can be retrained in minutes and reused for recurring inspection tasks.

WideSCAN TUBE

RELIABLE INLINE SURFACE INSPECTION

LongFocus 48“

80x160x1414 mm

LongFocus uses CCD imaging at a working distance of 400 mm. Its external lighting can be configured for the surface and inspection task, with up to four Image Access RGB lamps available depending on the setup.

KEY TECHNICAL DATA

SPECIFICATIONS FOR LONGFOCUS

Max. Scan Width	48 in / 1.220 mm
Sensor technology	CCD
Output Resolution	150-600 dpi
Scanning distance	~15.7 in / ~400 mm
Focal depth	±0.2 in / ±5 mm
Pixel Dimension	9.3 x 9.3 µm
Illumination	Up to 4 external RGB line lights
Scan Speed (Color, 150 dpi)	60 m/min
Scan Speed (Color, 300 dpi)	30 m/min
Scan Speed (Color, 600 dpi)	15 m/min
Dimensions (D × H × W)	6.3 × 3.1 × 55.7 in 160 × 80 × 1,414 mm

3D SURFACE DETAIL

Texture and height variations in a single scan pass.

Both ShortFocus and LongFocus support a 3D illumination mode. In a single scan pass, it highlights raised and recessed features, making fine textures, embossing and surface irregularities easier to see. The resulting images give inline inspection a clearer view of the material surface.

ShortFocus 48“

80x80x1414 mm

ShortFocus is the compact variant with CIS sensor technology, telecentric 1:1 imaging, integrated RGB illumination, and a working distance of 10.4 mm. It is designed for applications where compact installation and precise image geometry are central requirements.

KEY TECHNICAL DATA

SPECIFICATIONS FOR SHORTFOCUS

Max. Scan Width	48 in / 1.220 mm
Sensor technology	CIS
Output Resolution	150-600 dpi
Scanning distance	~0.41 in / ~10.4 mm
Focal depth	±0.04 in / ±1 mm
Pixel Dimension	42.3 × 42.3 µm
Illumination	2 integrated RGB line lights
Scan Speed (Color, 150 dpi)	60 m/min
Scan Speed (Color, 300 dpi)	30 m/min
Scan Speed (Color, 600 dpi)	8 m/min
Dimensions (D × H × W)	3.1 × 3.1 × 55.7 in 80 × 80 × 1,414 mm

OUTPUT TARGETS & FORMATS

Files as TIFF, JPEG, PNG, BMP, EPS, and more.



Network
Folders



FTP / FTPS
Servers

**MACHINE VISION MADE EASY.
LESS TO INTEGRATE
MORE FOCUS IN QUALITY.**

**Image
Access**



SCAN ME!