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Data Sheet

August 15, 2026

HAMAMATSU

Hamamatsu Argus-20 Digital Image Processor

Hamamatsu C5510 Argus-20 Digital Image Processor The Hamamatsu C5510 Argus-20 is a real time video microscopy image processor. OEM Argus-20 literature lists 1024 pixel horizontal resolution, real time contrast enhancement and image dividing, 200 or 400 percent magnify, length/area/speed calculations, and 60 Hz video, with SCSI-1 host interface on C5510 builds. Low light fluorescence and luminescence microscopy needing real time averaging, subtraction, photon counting, and 2D quantitative analysis of analog monochrome video. The Hamamatsu C5510 Argus-20 is a real time video microscopy image processor. OEM Argus-20 literature lists 1024 pixel horizontal resolution, real time contrast enhancement and image dividing, 200 or 400 percent magnify, length/area/speed calculations, and 60 Hz video, with SCSI-1 host interface on C5510 builds. Low light fluorescence and luminescence microscopy needing real time averaging, subtraction, photon counting, and 2D quantitative analysis of analog monochrome video. Real time observation and contrast enhancement



MODEL

Hamamatsu C5510

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

C5510

LISTING

<https://aumictechlabs.com/products/c5510-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Hamamatsu C5510 Argus-20 Image Processor is engineered to meet the rigorous demands of scientific and industrial imaging. Featuring a versatile architecture, it supports a variety of image sensors and acquisition modes. The processor excels in real-time image enhancement, noise reduction, and feature extraction. Its suite of software tools allows for precise image analysis,

measurement, and documentation. The Argus-20 is ideal for applications such as microscopy, quality control, and research, providing users with powerful tools to visualize and interpret complex image data.

C5510 Characteristics / Specifications

PARAMETER	VALUE
Model	C5510
Instrument Type	digital image processor
Family	Hamamatsu Argus-20
Horizontal Resolution	1024 pixel
Video Standard	60 Hz analog monochrome
Magnify 2	200 percent
Magnify 4	400 percent
Host Interface	SCSI-1
Host Connector Class	25 pin D-sub or 68 pin SCSI on C5510 builds
Mains	115 V 60 Hz class
Mass Class	15 lb class
Functions	real time averaging, subtraction, photon counting
Analysis	length, area, and speed calculations
Image Divide	real time image dividing
Contrast	real time contrast enhancement
Manufacturer	Hamamatsu
Application Class	video microscopy
System Role	analog monochrome image processor
Use Case	fluorescence and luminescence low light
Documentation Type	OEM Argus-20 / C5510 literature
Form Factor	benchtop image processor
Observation	real time
Sensitivity Role	increases microscope effective sensitivity
Quantization	digitizes observed intensities for 2D analysis
Operating Class	60 Hz video systems

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Hamamatsu Argus-20 / C5510 image processor literature (1024 pixel horizontal, 200/400 percent magnify, 60 Hz, SCSI-1). Pixel clock, ADC bits, and exact SCSI variant are on the C5510 sheet; do not invent bit depth.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.