Cisco Cyber Vision Protocols

List of Supported Protocols

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This is the list of protocols supported by Cyber Vision to gain visibility on your industrial network. Cisco is continuously adding new protocols to Cyber Vision. Please ask us for the latest list.

If you can't find your protocol here, let's talk to see how we can add it for you.

Field Network Communications

Developer	Protocols
Allen-Bradley	PCCC/DF1
AutomationDirect	Productivity series, DoMore BRX, Click PLCs
B&R Automation	B&R Protocol, X20 series
Beckhoff	EtherCAT, AMS
Codesys-based (Beckhoff/Eaton, etc.)	Codesys protocol stack
Electrical engineering and Power system automation	IEC 104, IEC 101 over IP, DNP3, IEC 61850 (MMS, Goose, R-GOOSE, SV), C37.118, DLMS/COSEM, ICCP (GRID)/TASE.2
Emerson	ROC Plus
FANUC	Fanuc management and interconnection protocols
FieldComm Group	Fieldbus HSE
Heating, Ventilation, Air Conditioning (HVAC) systems	BACnet, LonWorks
Intelligent Transportation Systems and Roadways	DSRC, HarDCC, IterisVelocity, MQTT (SCATS), Navtech Radar Sensor Data, NTCIP, Orion/PeekADR, Road Sensor, TPKT_RTP, TSI-SP-003, TSI-SP-026, WavetronixZ1
Machine vision	GigE Vision
Mitsubishi	SLMP, CC-Link, Melsec (MELSOFT), RFTP
Omron	FINS
Phoenix Contact	Phoenix Contact
Rockwell Automation	Ethernet/IP, CIP
Schneider Electric	Modbus ASCII, Modbus RTU, Modbus/TCP, XWAY, UNITE (PL7 Pro), UMAS (M340/M580/TSX Premium), EthWay
SEL (Schweitzer Engineering Labs)	SEL telnet
Semiconductor manufacturing	SEC/GEMS (disabled by default)
SICK	CoLa A/B
Siemens	Profinet, Profinet DCP, Profinet IO CM, S7, S7 "Plus" (for 1200/1500), Siemens LOGO!
Toyoda/JTEKT	FL-NET, CMP-LINK, TOYOPUC
Turck	IO Link

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Distributed Control System

Developer	Systems
Emerson	DeltaV, Ovation
Foxboro	DCS (COMEX)
General Electric	GE Mark VI (GE SDI, GE CMP, GESD EGD), GE-SRTP
Honeywell	Experion PKS/Safety Manager
Schneider Electric	Triconex, Triconex TSAA
Siemens	PCS7
Yokogawa	CENTUM VP (ProSafe RS/PRM), Vnet/IP

Automation, SCADA, and Remote Access Vendors

Category	Solutions
Automation Vendors	ABB, Allen-Bradley, Alstom, B&R Automation, Beckhoff, Eaton, Emerson, Foxboro, General Electric, Honeywell, Ignition, Mitsubishi, Omron, Phoenix Contact, Rockwell Automation, Sauter, Schneider Electric, SEL, Siemens, Toyoda/JTEKT, Wago, Yokogawa and more
SCADA/Data Acquisition	OPC-DA, OPC-UA, OPC-AE, OSIsoft PI-Connect, PcVue Solution, FactoryTalk View SE, and more
Remote Access Vendors	AnyDesk, eWON (HMS), Moxa,TeamViewer

Active Discovery Protocols

Category	Protocols
OT Protocols	ABBNC, BACNet, Beckoff AMS, DNP3, EtherNet/IP, eWON, GE-SRTP, Melsoft, MMS, Modbus, Omron, Profinet, S7, S7Plus, GigE Vision, Turck broadcast, Bosch RCP plus broadcast, Siemens LOGO PLC
IT Protocols	HiDiscovery, HTTP/HTTPS, ICMP v6, SNMP v1, SNMP v2, SNMP v3, WMI, WS_DISCOVERY

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Networking Protocols

Category	Protocols
IT Protocols	ARP, BGP, CIFS, COTP, DCE-RPC, DHCP (v4 and v6), DNS, Dropbox, Ethernet, FTP, HTTP, HTTP-UPNP, HTTPS, ICMP (v4 and v6), IGMP, IKE, IMAP, IMAPS, LDAP, LDAPS, LLDP, mDNS, NetBIOS, NetBIOS-NS, NTP, ONVIF, OSPF, POP3, PTP, RDP, RPC, RTP, RTSP, SEL Telnet, Sentinel UDP/1947, SMB, SMB Browser, SMTP, SNMP, SQL Server, SSH, Syslog, TCP/IP (v4 and v6), Telnet, TFTP, VNC, WebDAV
Redundancy and Ring Protocols	DLR, HSR, MRP, PRP, STP, VRRP
Network Discovery Protocols	ABB NetConfig, Cisco Discovery Protocol (CDP), HP Switch Protocol (HPSW), Foundry Discovery Protocol (Ruckus FDP), Hirschman Discovery protocol (HiDiscovery), MikroTik Neighbor Discovery Protocol (MNDP)

Document history

New or revised topic	Described in	Date
Cyber Vision 4.4	Support for new active discovery protocols	April 2024
Cyber Vision 5.0	Support for B&R X20 series	July 2024
Cyber Vision 5.1	Support for ONVIF, Ignition, new ITS protocols, and new active discovery protocols	December 2024
Cyber Vision 5.2	Support for HiDiscovery and Siemens LOGO!, added remote access vendors	April 2025
Cyber Vision 5.3 & 5.4	Support for ABB, Sauter, SEL, COTP and HTTP-UPNP protocols	Dec 2025
Cyber Vision 5.4.1 to 5.6.0	Support for new DPI and active discovery protocols	October 2026

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