

In order to fulfill ideal remote DAQ devices in IoT world, Instek Digital™ releases 3000 series, a new selection of Ethernet I/O family comprised of analog I/O, digital I/O and relay modules. The 3000 series module possesses plenty of advanced features whatever the evolution of hardware design and what's worth expecting for user is a variety of useful software functions to make it effective in the application field. With new design and strong capabilities, 3000 series can be a well-integrated I/O solution in Ethernet control system.



Key Features

- 16-ch DO, 2-port Ethernet
- Daisy chain connection with auto-bypass protection
- Remote monitoring and control with mobile devices
- Group configuration capability for multiple module setup
- Flexible user-defined Modbus address
- Intelligent control ability by Peer-to-Peer and GCL function
- Multiple protocol support: Modbus TCP, TCP/IP, UDP, HTTP, DHCP
- Web language support: XML, HTML 5, Java Script

INSTEK DIGITAL

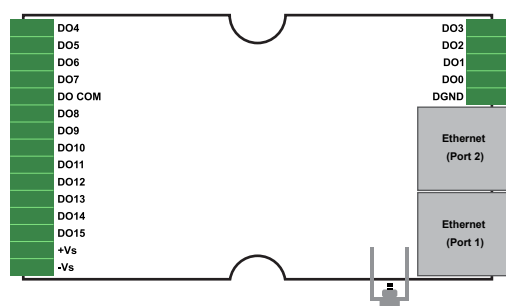
Instek Digital is a video surveillance business unit of Good Will Instrument Co., Ltd. and focus on the development of high quality digital surveillance solutions. The company inherited over 20-years of surveillance experience. Instek Digital has the luxury of a strong financial background supported by Good Will Instrument Co., Ltd. – has over 40-years of electronics R&D and manufacturing experience. And Good Will Instrument Co., Ltd. is also listed on the Taiwan Stock Exchange.

Instek Digital offers a wide array of video surveillance software and hardware – under the brand of Instek Digital. The core design are based on the following principles; “User-Friendliness”, “Scalability” and “Reliability”. Instek Digital’s solutions are based on an open platform – creating seamless third party integration. With this concept Instek Digital has created a business model that can meet every aspect in today’s surveillance demand. The results speak for themselves – based on small and large projects that we have deployed around the world.

Digital output	Channels	16
	Output voltage range	10 ~ 30V _{DC}
	Normal output current	100 mA (per channel)
	Pulse output	up to 5kHz
	Delay output	high-to-low and low-to-high
General	Frequency input range	0.1 ~ 3kHz
	LED indication	16 DO
	Protocol	modbus/TCP, TCP/IP, UDP, HTTP, DHCP, MQTT, SNMP
	Ethernet	2-port 10/100 Base-TX (for Daisy Chain)
	Power input	10- 30 V _{DC} (24 V _{DC} standard)
Environmental	Watchdog timer	system (1.6 seconds) communication (programmable)
	Protection	built-in TVS/ESD protection power reversal protection over voltage protection: +/- 35 V _{DC} isolation protection 2500 V _{DC}
	Environment temperature	-40 ~ 70°C (operating) -40 ~ 80°C (storage)
	Humidity temperature	20 ~ 95% RH (non-condensing) 0 ~ 95% RH (non-condensing)
	Power consumption	3.2W @ 24V _{DC}
Electrical	Dimensions (WxDxH mm)	70 x 122 x 27
	Enclosure	PC
Mechanical	Mounting	DIN 35 rail, stack, wall
	Software	.NET Class Library (SDK)
Software		Windows and Windows CE Class Library, VB and VC#
		Sample Code for I/O Reading or Configuration and Communication
	Adam/Apax .NET Utility	Network Setting, I/O Configuration, Data Stream, P2P, GCL Configuration

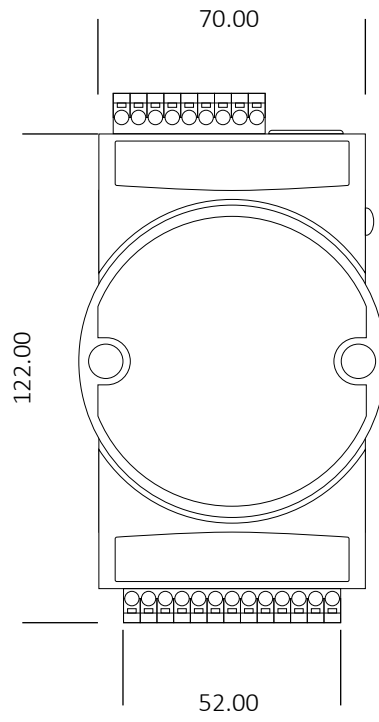
a) Product specifications and availability are subject to change without notice.
b) Instek Digital™ is a registered trademark of Good Will Instrument Co., Ltd.

Pin Assignment



Model: ID-IO3000-0016

Front View ID-IO3000-0016



Side View ID-IO3000-0016

