



Interactive Flat Panel Serial Port

Control Command

Legal Information

About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use this Document with the guidance and assistance of professionals trained in supporting the Product.

Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

LEGAL DISCLAIMER

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.
- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES,

INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

TABLE OF CONTENTS

Chapter 1 Serial Cable	1
Chapter 2 Serial Port Pinout	2
Chapter 3 Control Command	3

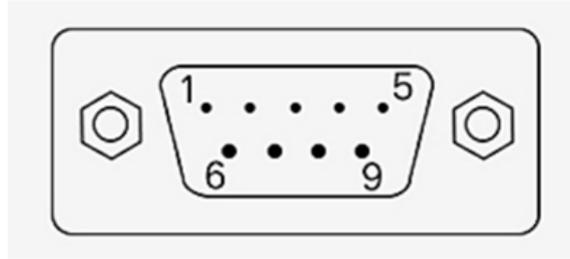
Chapter 1 Serial Cable

Connect the male-to-male serial cable to the RS232 port on the Interactive Flat Panel, and attach the other end to the PC. If the PC lacks a serial port, a USB-to-serial adapter may be used instead.

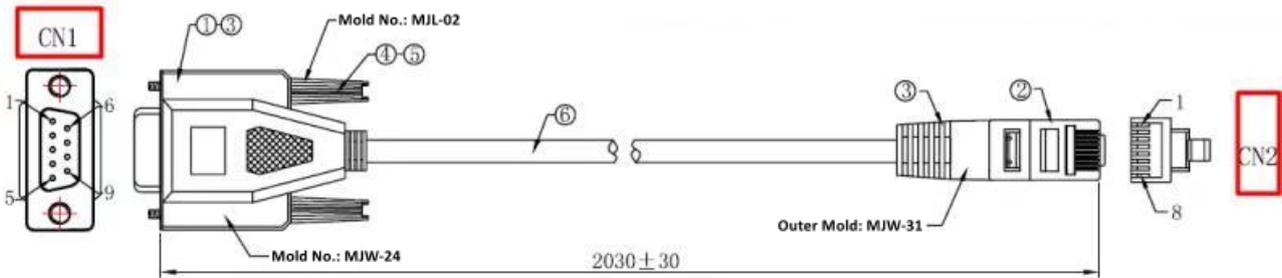


Figure 1-1 Serial Cable

Chapter 2 Serial Port Pinout



PIN NO	FUNCTION
2	RX
3	TX
5	GND



CN2		CN1
1	Black	4
2	Brown	3
3	Red	2
4	Orange	7
5	Yellow	8
6	Green	1
7	Blue	5
8	Purple	6

Only need to connect 2, 3, and 5 on CN1.

Chapter 3 Control Command

Baud rate: 115200

Check bit: No Check

Data bits: 8 bits

Stop: 1 bit

And each command interval is greater than 200 ms.

	5A/A3 /B3	5B/C /D	5B/EL FL
Baud Rate	115200	115200	115200
Switch to Serial Mode	20 20 53 45	20 20 53 45	20 20 53 45
Startup	20 20 53 43	20 20 53 43	20 20 53 43
Shutdown	30 02 76 20	30 02 76 20	30 02 76 20
Number 0–9 (Only OPS)	30 02 01 00 ~ 30 02 01 09	30 02 01 00 ~ 30 02 01 09	30 02 01 00 ~ 30 02 01 09
Up	30 02 01 50	30 02 01 50	30 02 01 50
Down	30 02 01 53	30 02 01 53	30 02 01 53
Left	30 02 01 33	30 02 01 33	30 02 01 33
Right	30 02 01 30	30 02 01 30	30 02 01 30
Enter	30 02 01 51	30 02 01 51	30 02 01 51
Volume +	30 02 01 14	30 02 01 14	30 02 01 14
Volume –	30 02 01 11	30 02 01 11	30 02 01 11
Switch the Channel to VGA	30 02 01 A1	30 02 01 A1	30 02 01 A1
Switch the Channel to OPS	30 02 01 A7	30 02 01 A7	30 02 01 A7
Switch the Channel to Android	30 02 01 A8	30 02 01 A8	30 02 01 A8
Switch the Channel to HDMI 1	30 02 01 A3	30 02 01 A3	30 02 01 A3
Switch the Channel to HDMI 2	30 02 01 A4	30 02 01 A4	30 02 01 A4
Switch the Channel to HDMI 3	30 02 01 A5	None	None
Switch the Channel to Type-C 1	30 02 01 A9	30 02 01 A9	None
Switch the Channel to Type-C 2	30 02 01 AB	None	None
Switch the Channel to DP	None	None	None
Max. Brightness	30 02 01 B2	30 02 01 B2	30 02 01 B2
Min. Brightness	30 02 01 B1	30 02 01 B1	30 02 01 B1
Max. Volume	30 02 01 B4	30 02 01 B4	30 02 01 B4
Min. Volume	30 02 01 B3	30 02 01 B3	30 02 01 B3

Interactive Flat Panel Serial Port • Control Command

	5B/EP /FP	5C/A /B	5C/A2L /B2L
Baud Rate	115200	115200	115200
Switch to Serial Mode	20 20 53 45	20 20 53 45	20 20 53 45
Startup	20 20 53 43	20 20 53 43	20 20 53 43
Shutdown	30 02 76 20	30 02 76 20	30 02 76 20
Number 0–9 (Only OPS)	30 02 01 00 ~ 30 02 01 09	30 02 01 00 ~ 30 02 01 09	30 02 01 00 ~ 30 02 01 09
Up	30 02 01 50	30 02 01 50	30 02 01 50
Down	30 02 01 53	30 02 01 53	30 02 01 53
Left	30 02 01 33	30 02 01 33	30 02 01 33
Right	30 02 01 30	30 02 01 30	30 02 01 30
Enter	30 02 01 51	30 02 01 51	30 02 01 51
Volume +	30 02 01 14	30 02 01 14	30 02 01 14
Volume –	30 02 01 11	30 02 01 11	30 02 01 11
Switch the Channel to VGA	30 02 01 A1	30 02 01 A1	30 02 01 A1
Switch the Channel to OPS	30 02 01 A7	30 02 01 A7	30 02 01 A7
Switch the Channel to Android	30 02 01 A8	30 02 01 A8	30 02 01 A8
Switch the Channel to HDMI 1	30 02 01 A3	30 02 01 A3	30 02 01 A3
Switch the Channel to HDMI 2	30 02 01 A4	30 02 01 A4	30 02 01 A4
Switch the Channel to HDMI 3	30 02 01 A5	30 02 01 A5	30 02 01 A5
Switch the Channel to Type-C 1	30 02 01 A9	30 02 01 A9	30 02 01 A9
Switch the Channel to Type-C 2	30 02 01 AB	30 02 01 AB	30 02 01 AB
Switch the Channel to DP	None	30 02 01 A2	None
Max. Brightness	30 02 01 B2	30 02 01 B2	30 02 01 B2
Min. Brightness	30 02 01 B1	30 02 01 B1	30 02 01 B1
Max. Volume	30 02 01 B4	30 02 01 B4	30 02 01 B4
Min. Volume	30 02 01 B3	30 02 01 B3	30 02 01 B3



See Far, Go Further