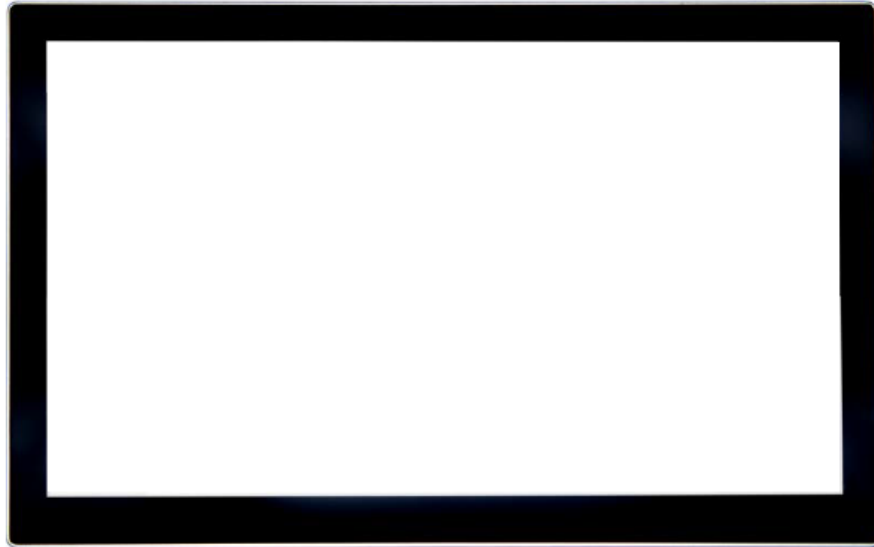# Vendor Specification

(Spezifikation)

21,5" – True Flat PCAP Touch Monitor RFID

PN Canvys: LKX21ECCRBD-ILC

PN Faytech: 1010502083

Rev. AC

Supplier/Vendor Address: faytech AG Bischhäuser Aue 10 37213 Witzenhausen **Contact Person:** Serena Liu	Qualification Date: 26.04.2021	Sign:

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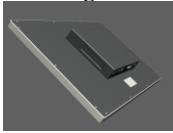
Content
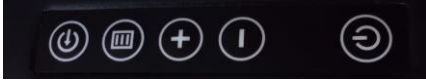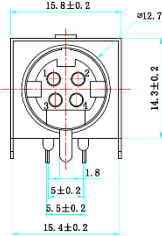
1. Revision History

Revision	Date	Page	Description	by
Rev. AA	20201112		Create new document	CS
Rev. AB	20201216	5	Add LED on frontglass, bottom right side	CS
		4	Change housing color from Silver Color Frame RAL9007 to RAL9006 and Black Backcase from RAL9005 to RAL9004.	
		5	Delete loudspeakers and Audio Input	
		5	Change from 12V DC to wide range 9-36V DC Input	
		5	Delete External Power Supply	
		5	Change from lockable round connector to 4 PIN connector. Add pin assignment.	
		4	Add OSD lock function. Unlocking by pushing "+" and "-" for 3 seconds.	
		6	Add Storage Temperature -10°C – 60°C	
		8,9,10	Update Drawing	
		7	Delete accessories also from sample delivery	
		5	Delete DVI information	
		5	Add SDK information	
		4	Change/Update Warranty and ECN information	
		1	Change from 1010500975 to correct faytech PN 1010502083	
Rev. AC	20210421	1	Chane Titel from "Target" to "Vendor" Specification	CS
		5,8	Frontglas: Change RFID-print size; Add Intravis 2 color logo; change LED to round cut-out	
		5,8	Interfaces: Add M5 PE-bolt	
		5	Update Firmware (delete not needed functions, add OSD-lock), add version V1.3, update OSD lock / un-lock information	
		4	Add weight information	
		6	Add carton and product label information	
		5	Update that SDK was provided	
		5	Add note on handling IP42 (cellular rubber, 3M L-Shape sealing)	
		5	Add note for 4-Pin connector to do pinning correctly in MP	
		7	Delete Accessory Box as no accessories	
		8,9,10	Update Drawings/Pictures	
	20210426	4	Corrected size (width) from 53.3 cm to 52.3 cm	
		8	Adapted drawing to correct size (width) 52.3 cm	
		8	Added more dimensions to Intravis Logo detailed view	

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2. General Description

Model	21,5" True Flat PCAP Touch Monitor RFID
Endcustomer	Intravis GmbH
Vendor	faytech AG
Production	faytech China (Suining)
Country of Origin	China
Delivery Conditions	DAP Donaueschingen, agreement of ETA dates
Warranty	24 month (after deliver by Canvys to customer), max. 30 month
Changes/ECN management	No changes permitted w/o early notice and approval by Canvys. All changes to be notified over EC document.
Specifications	
Panel Parts: Innolux M215HJJ-L30	
Display Size (inch)	21,5"
Aspect Ratio	16:9
Resolution	1920x1080
Brightness (nit)	250 (typ.)
Contrast	3000:1 (typ.)
Backlight life time (h)	40,000
Viewing angle	>=178; >=178 (typ.; CR>=10)
Touch Panel:	
Touch Type	PCAP (Projective Capacitive touch panel)
Touch Points	10 fgs
Surface treatment	AG coating
Touch Controller	EETI 80W83
Touch Support OS	Windows 10; Linux
Housing :	
Type and color	Alu Case; Silver Color Frame (RAL 9006); Black Backcase (RAL 9004)
Front	True Flat Frontglass with RFID and customer print
Outer dimension (cm)	52,3 x 33,3 x 5,5
Weight unpacked / packed (kg)	~ 4.2 kg / 6.3 kg
Position OSD buttons	on the right back case of Monitor (front view)
OSD buttons	Source, Menu, +, -, Power **SOURCE**: opens the menu to choose the right Input Source (HDMI, DP, VGA) **MENU**: opens OSD menu and select the values. + : increase the brightness and the values in OSD menu, and navigates through OSD menu downwards

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	- : decrease the brightness and the values in OSD menu, and navigates through OSD menu upwards **POWER**: Display On/Off OSD is locked as default. "Menu" and "+" for 3 sec = lock ; "menu" and "source" for 3 sec = unlock. FW = V1.3.
Mounting type	VESA100 with M4 threads
Stand	not included
IP Protection	IP65 (front); IP42 (whole unit, w/o interfaces). No silicone glue at backcase allowed. The unit need to be able for opening in service case. IP protection will be guaranteed over cellular rubber and 3M L-shape seal inside of housing.
Passepartout Color and glas print	Black (RAL 9005), with RFID and Intravis Logo print. Intravis logo in white RAL 9016 and yellow RAL 1021. RFID in RAL 9016.
Status LED	LED on frontglass, bottom right side (round cut-out)
Mounting Holes for chassis/frame mounting	16 x mounting holes M3 on backside (usage e.g. with clamp holders OP-CLAMPHLDR-HP).
Audio / Video I/O / Connectivity:	
Video	VGA+HDMI+DP. DP is set as default input.
Else	M5 PE-Bolt (Only connection to housing, no grounding)
Audio	No loudspeaker, no audio input
USB HUB	1x USB-B up; 2x USB-A down
AD board	RTD2556T
RFID	CN370-2 RFID reader below mid frontglass with ISO14443A/B,Mifare,DESFire EV1,Mifare Plus,ISO/IEC18092 NFC;Win 10(64 bit)/8/7 support. SDK provided.
Power supply	
External Power Supply	Delivery without Power Supply
Input Voltage	9-36 V DC-in
Connector	4 Pin Connector (MPC-4-02) Pin 1 = 9-36V Pin 2 = 9-36V Pin 3 = GND Pin 4 = GND This pinning is a must and needs to be adapted accordingly for MP as sample unit was wrong.

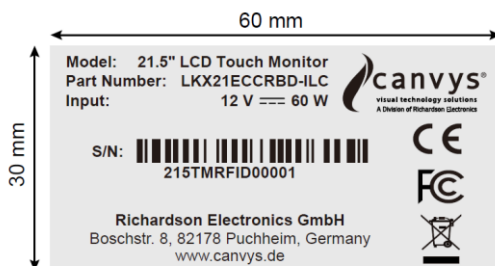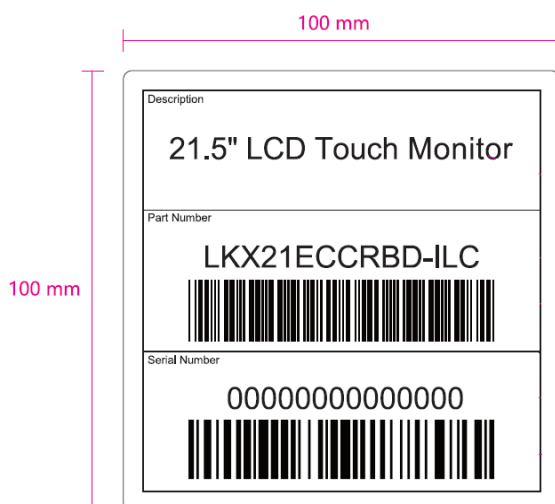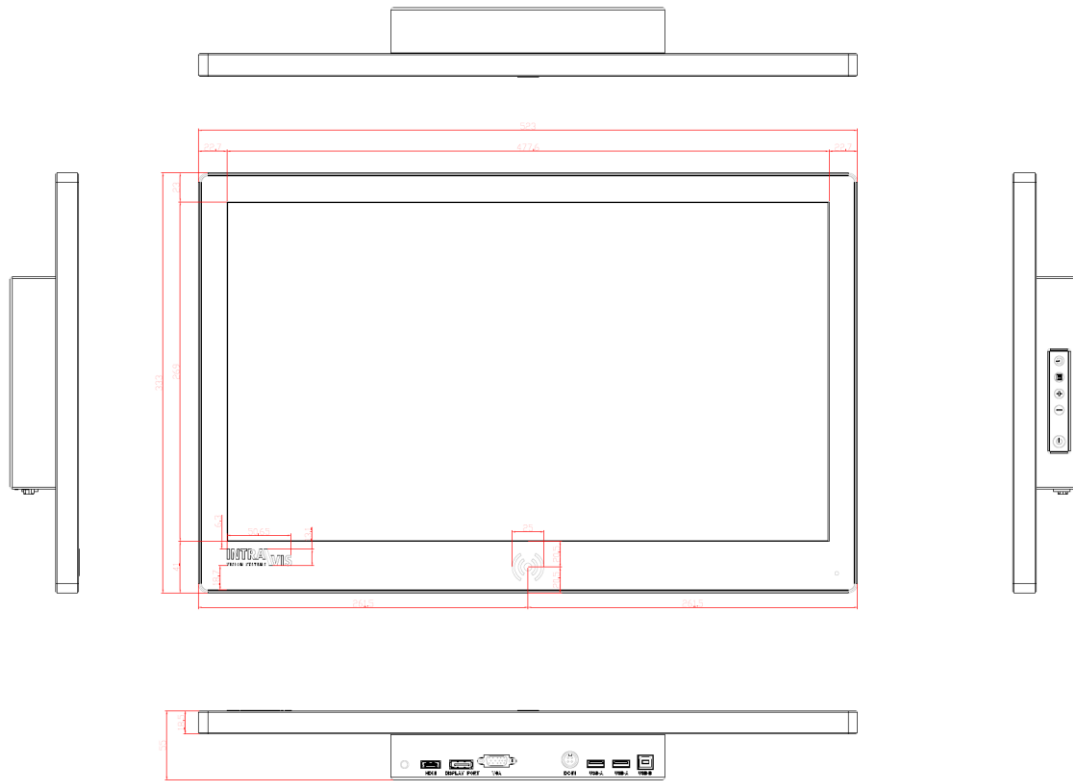| Certifications |
| --- |
| • EN 62368-1:2014 + A11:2017
• EN 55032:2015 Class B
• EN 55035:2017
• EN300330 V2.1.1
• FCC PART 15 subpart B
Note 1: First Samples w/o certs (certs will be done after sample+spec approval). EN300330 V2.1.1 paid by Canvys, rest of certs done on faytech cost with PO over >= 200 pcs.
Note 2: DoC based on 2014/35/EU and 2014/30/EU required |
| Other characteristics |
| Fanless operation |
| Operating Temperature 0°C – 60°C
Storage Temperature -10°C – 60°C |
| Position of Warranty sticker = Back view Downside, 2nd screw from the right. See picture:

 |
| Product Label

 |
| Transport/Carton Label

 |

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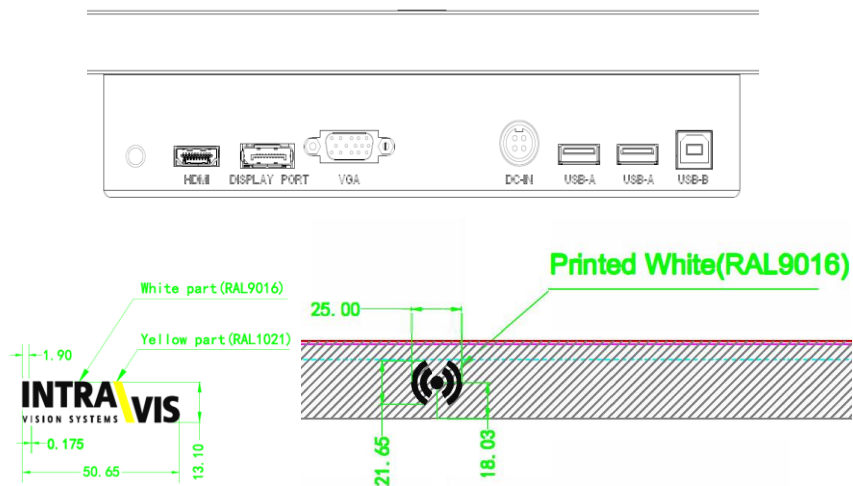| Accessories |
|---|
| Delivery without any accessories (no cables, no Power Supply, no manual) |

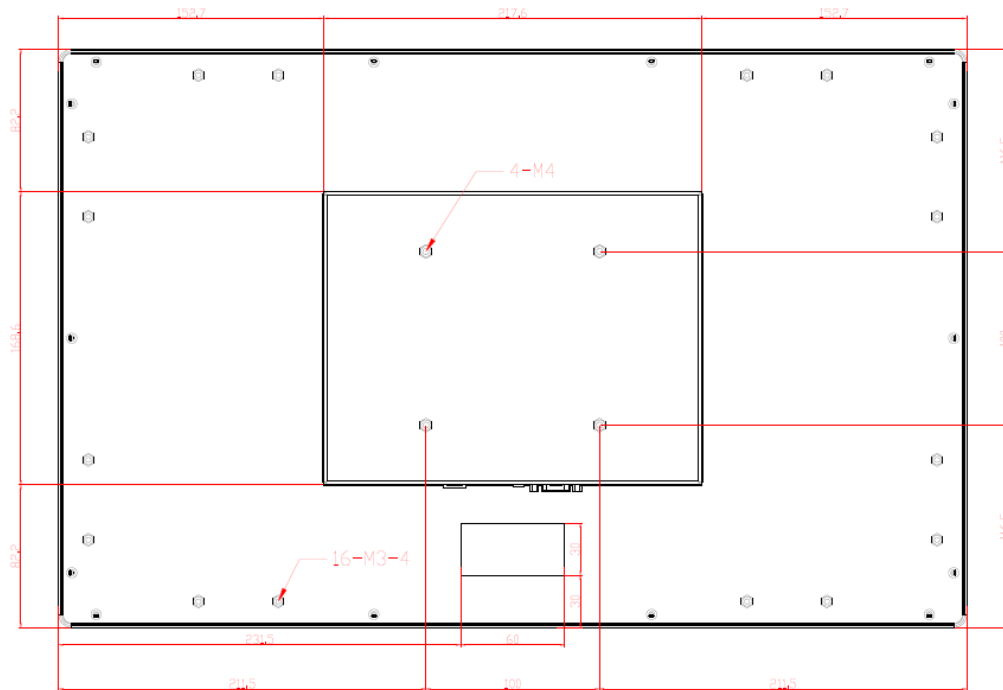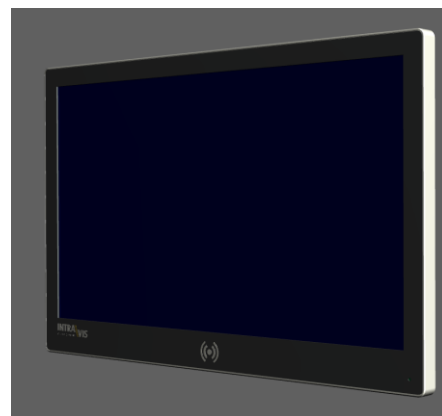| Packaging Information |
|---|
| Outer Carton (brown packaging) and inner white carton with both showing Transport Label, including following components:
o Touch Monitor (packed within protective bag/foil; glass front covered with protection foil)
o Packaging Material |

Drawings and pictures

1) Front, Side and I/O drawing

White part(RAL9016)

Yellow part(RAL1021)

Printed White(RAL9016)

25.00

1.90

0.175

50.65

13.10

21.65

18.03

2) Details of I/O ports and Intravis/RFID Print

3) Back drawing

4) Front View (colors just for reference)

5) Back view (colors just for reference)

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.