

More powerful





More powerful





The new advanced DUOX system offers much more

Higher performance and increased capacity, faster and more user-friendly,
But above all, it brings us to a new technological dimension destined
to define the future of video door systems

DUOX PLUS brings the **MOST POWERFUL**

2-wire digital system to your home.

2 wires

A fully digital door entry system that works with 2 non-polarised wires from start to finish in the installation.

user-friendly

Since the system is entirely digital, the type of wiring has much less of an effect on the quality and performance of the system.

Furthermore, very few intermediary elements are required, which saves considerable time in the installation.

scalable

Up to 10 panels and 10 guard units at the general entrances.

Up to 10 panels and 10 guard units in each building or block of apartments.

Up to 100 blocks and sub-blocks.

intuitive

The DUOX PLUS monitors can be programmed in just a few seconds, directly from the OSD menu.

no limits

DUOX is designed to work with all kinds of projects; large or small, simple or complex, vertical structures or horizontal installations.

product range

A broad variety of outdoor panels and indoor terminals with an exclusive design and advanced functions, without any increase in price.

connectivity for everyone

With DUOX PLUS, Fermax can introduce any kind of building or home to the world of connectivity, incorporating mobile call divert into even the most basic monitors.



capacity

- LONGER DISTANCES
- INCREASED VOLTAGE, LESS CONSUMPTION
- GREATER NUMBER OF TERMINALS PER POWER SUPPLY

DUOX PLUS allows you to push the boundaries of digital technology.

Thanks to the digitalisation of the system, it can now be used in all kinds of installations.

The more complex the installation, the more powerful DUOX PLUS will be.



flexibility

- MORE APARTMENTS PER FLOOR
- BETTER SERVICE WITH ANY CABLE
- SIMPLER INSTALLATION

Can be easily replaced, with no need to change the installed wiring. Considerable time saving during installation and maintenance.

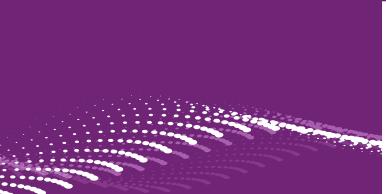


technology

- MORE DIGITISED
- 2 SIMULTANEOUS AUDIO/VIDEO COMMUNICATION CHANNELS IN THE SAME RISER
- MORE RESOLUTION AND FLUIDITY ON VIDEO QUALITY
- AUDIO QUALITY ENTIRELY FREE OF INTERFERENCE



- . Designed to handle external interference.
- . Consistent quality throughout the installation.
- . The regenerators boost the signal.
- . Capable of communicating over long distances.







connectivity





- ALL VIDEO KITS COME WITH A WIFI MONITOR AS STANDARD
- INCREASED SECURITY
- FASTER COMMUNICATION



Our systems provide a wide range of different possibilities for security, mobility and comfort, inside and outside the home.

All video kits now include a WiFi monitor as standard, at no extra cost!

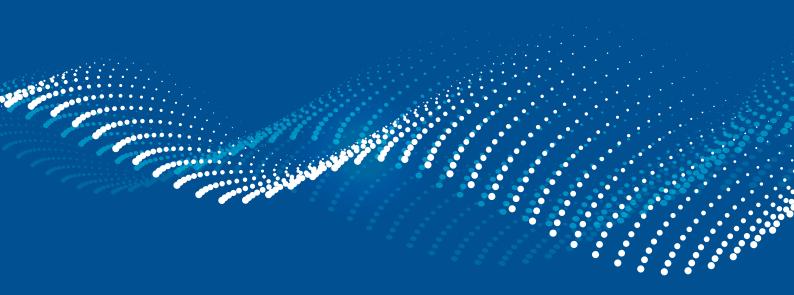
 $\text{DUOX}_{\text{plus}}$

CONNECTIVITY FOR ALL









WiFi monitors







VEO AND VEO-XS WIFI MONITORS

9446 DUOX PLUS VEO WIFI MONITOR

9456 DUOX PLUS VEO WIFI MONITOR WITH INDUCTIVE LOOP Dimensions: 200x200x23 mm (44 mm with handset).

9449 DUOX PLUS VEO-XS WIFI MONITOR

9459 DUOX PLUS VEO-XS WiFi MONITOR WITH INDUCTIVE LOOP Hands-free. Dimensions: 125x165x21mm.

9447

DUOX PLUS CONNECTOR

Mounting support for VEO and VEO-XS monitors.





Features of WiFi monitors

4.3" colour monitors (16:9), made from high-impact ABS plastic and UV protection, with settings for contrast, brightness, colour, audio volume, call ring tone volume, do not disturb function, door bell, date and time, silicone buttons for activating the lock release that are pleasant to the touch, access to the main OSD menu from the screen, activation of the outdoor panel camera, and various other additional configurable functions such as activating second access, courtesy light, etc. Available in white and for surface installation.

Two WiFi monitor options: the VEO monitor that incorporates a magnet to ensure that the handset is hung up properly at the end of the conversation, and the VEO-XS hands-free monitor.

Photocaller **©**



Automatically captures an image of the person who calls. If the user decides to activate this function, the monitor will save up to 150 images, with the date and time when they were taken. Once maximum capacity has been reached, taking a new photo will delete the first one that was saved. The screen will always tell you if there are photos that you haven't seen or if the date/time has not been configured.

Call divert to mobile



The DUOX PLUS VEO and VEO-XS WiFi monitors are equipped with a WiFi connection, allowing for calls to be diverted to mobile devices.

With the BLUE app from FERMAX you can manage all the video door functions and much more directly from your mobile phone or tablet.











monitors and telephones

VEO AND VEO-XS MONITORS



9445 DUOX PLUS VEO MONITOR9455 DUOX PLUS VEO MONITOR WITH INDUCTIVE LOOP

Dimensions: 200x200x23 mm (44 mm with handset).



9447
DUOX PLUS CONNECTOR
Mounting support for VEO
and VEO-XS monitors.

9448 DUOX PLUS VEO-XS MONITOR

9458 DUOX PLUS VEO-XS MONITOR WITH INDUCTIVE LOOP

Hands-free. Dimensions: 125x165x21 mm.

VEO, LOFT AND ILOFT TELEPHONES



3444 DUOX PLUS VEO TELEPHONE Includes volume control.
Dimensions: 82x214x43 mm.



3451 DUOX PLUS LOFT BASIC TELEPHONE Includes volume control.

3452 DUOX PLUS LOFT EXTRA TELEPHONE Includes 2 buttons for extra functions: turn on lights, open 2nd door, etc.

Dimensions: 85x220x40 mm.



iLOFT DUOX PLUS TELEPHONE
Hands-free. Includes volume
control and a button for
additional function.
Dimensions: 90x146.5x20 mm.



AUDIO GUARD UNIT

9423 DUOX PLUS AUDIO GUARD UNIT

DUOX PLUS Audio Guard Unit has a multi-functional 4,3" capacitive touchscreen and quick function access buttons for easy convenient management. Its unique handset design incorporating a magnet enables the user to put it back into position correctly. It includes a stainless steel desktop support. It allows a surface installation.

3450

Dimensions: 200x200 mm. Support included

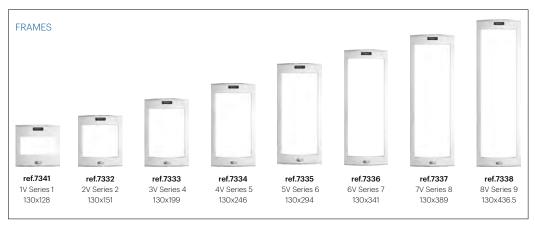


outdoor panels





SKYLINE Modular design. Anodised aluminium. IP43 IK07

















ACCESSORIES	S1 (1V)	S2 (2V)	S4 (3V)	S5 (4V)	S6 (5V)	S7 (6V)	S8 (7V)	S9 (8V)
flush	ref.8851	ref.8852	ref.8854	ref.8855	ref.8856	ref.8857	ref.8858	ref.8982
box	115x114x45	115x138x45	115x185x45	115x233x45	115x280x45	115x328x45	115x375x45	115x420.5x45
surface	ref.7061	ref.7062	ref.7064	ref.7065	ref.7066	ref.7067	ref.7068	ref.7069
box	130x128x33	130x151x33	130x199x33	130x246x33	130x294x33	130x341x33	130x389x33	130x436.5x33
simple	ref.8400	ref.8401	ref.8403	ref.8404	ref.8405	ref.8406	ref.8407	ref.8480
hood	135x130	135x155	135x203	135x250	135x300	135x345	135x393	135x440.5
modular decor.	ref.9191	ref.9192	ref.9194	ref.9195	ref.9196	ref.9197	ref.9198	ref.9199
frame*	211x210	211x234	211x281	211x329	211x376	211x424	211x471	211x519
simple city	ref.8251	ref.8252	ref.8254	ref.8255	ref.8256	ref.8257	ref.8258	ref.8259
decorative frame	225x310	225x310	225x375	225x375	225x450	225x450	225x450	225x495
angular complement	ref.8378	ref.8379	ref.8381	ref.8382	ref.8383	ref.8384	ref.8385	ref.8386

If the configuration requires more than one panel, they will need to be connected together with a connection cable (ref. 2541) (1 cable for each additional panel) and a set of joining bolts (ref. 8829) to attach them to unite the flush boxes.

^{*} To make DOUBLE modular frames, add to the SINGLE frame a DOUBLE PANEL MODULAR FRAME KIT (ref. 9200). Horizontal: 341 mm. * To make TRIPLE modular frames, add to the SINGLE frame a TRIPLE PANEL MODULAR FRAME KIT (ref. 9201). Horizontal: 471 mm.



outdoor panels



CITYLINE

Monoblock design panel. Anodised aluminium. IP43 IK07

DIGITAL CITYLINE



The DIGITAL panels include a keypad and a 3.5" EXTRA display. The keypad has an access control function (10,000 codes).

73871 DUOX PLUS DIGITAL CITY VIDEO PANEL 73851 DUOX PLUS DIGITAL CITY AUDIO PANEL Dimensions: 130x341 (S7)

7310 DIRECTORY PANEL S7. Dimensions: 130x341 (S7) 8857 FLUSH BOX S7. Dimensions: 115x328x45 (S7)

8829 JOINING BOLTS SET

73811 DUOX PLUS DIGITAL CITY VIDEO PANEL W/PROX

Dimensions: 130x389 (S8)

8858 FLUSH BOX S8. Dimensions: 115x375x45 (S8)

DIRECT CITYLINE



The DIRECT panels have a keypad for calling homes. The keypad allows 1 code for opening the door. We recommend adding a DIRECTORY PANEL.

73631 DUOX PLUS DIRECT CITY VIDEO PANEL 73611 DUOX PLUS DIRECT CITY AUDIO PANEL

Dimensions: 130x246 (S5) 7309 **DIRECTORY PANEL S5**

Dimensions: 130x246 (S5) FLUSH BOX S5 8855

Dimensions:115x233x45 (S5)

8829 JOINING BOLTS SET

PUSH-BUTTONS CITYLINE









Dimensions: (width) x (height) x (depth) mm.





MARINE Stainless steel vandal-proof panel. 316L. IP54 IK09

55261 DUOX PLUS DIGITAL EXTRA VIDEO MARINE PANEL ST3

5471 DIRECTORY PANEL ST3
Dimensions: 150x360mm

55281 DUOX PLUS DIGITAL MARINE VIDEO PANEL W/PROX ST4

Dimensions: 150x485mm

The MARINE outdoor panels with push buttons (except 1 and 2 ways VIDEO panels), always require a call extension module, depending on the number of push buttons. (ref. 2008 - 8 call extension module, ref. 2441 - 16 call extension

module).











ref.44338 1 PUSH. 150x180

ref.44348 2 PUSH. 150x180

ref.44358 2 PUSH. 150x240

ref.44368 3 PUSH. 150x240

ref.44378 4 PUSH. 150x240

ACCESSORIES	FLUSH BOX ref.4641 130x160x55 ref.4642 130x220x55 ref.4643 130x340x55 ref.4643 130x465x55	SURFACE BOX (with hood)	SIMPLE HOOD
ST1	ref.4641 130x160x55	ref.4645 154x184x96	ref.4701
ST2	ref.4642 130x220x55	ref.4646 154x244x96	ref.4702
ST3	ref.4643 130x340x55	ref.4647 154x364x96	ref.4703
ST4	ref.4643 130x465x55	ref.4647 154x489x96	ref.4704

MARINE ELITE



FERMAX has a laser-cut machining line for stainless steel panels. This process allows us to offer complete flexibility when it comes to producing the required Marine panel, with optimal delivery time for personalisation.







Check for availability of other colours.

The Marine Elite line of panels is available in a variety of different colours, just give us the RAL that you want when ordering your panel.

MARINE SPECIAL (made to measure)

3172 MARINE SPECIAL PANEL
4579 MARINE SPECIAL PANEL HOOD
4580 MARINE SPECIAL PANEL FLUSH BOX

4581 MARINE SPECIAL PANEL SURFACE BOX WITH HOOD



POWER SUPPLY AND ADAPTORS



3255

DUOX PLUS LINE ADAPTOR Necessary at the beginning and the end of every riser.



4825

POWER SUPPLY + FILTER 24Vdc-2.5A DIN10



4840

POWER SUPPLY DIN-6 100-240Vac/24Vdc-2A

Necessary for the 2 WAY DUOX PLUS Regenerator ref. 3269.



3289

DUOX PLUS FILTER 24Vdc

To be used with the PSU ref. 4840, in those installations where the PSU ref. 4825 cannot be used due to its dimensions.

Cannot be used with 18Vdc power supplies, which must be installed with filter ref. 3244.



4802

POWER SUPPLY 12Vac/1A DIN4

4800

POWER SUPPLY 12Vac/1,5A DIN4

For altern current lock release.

Terminal consumption table per power supply in DISTRIBUTION.

	NON-WIFI monitor	WiFi monitor	Telephones
1.0 mm ²	40	28	80
0.5 mm ²	40	24	80
0.2 mm ²	36	20	72

Terminal consumption table per power supply in CASCADE.

	NON-WIFI monitor	WiFi monitor
1.0 mm ²	40	26
0.5 mm ²	32	20
0.2 mm ²	18	12

REGENERATORS

They allow the signal to be regenerated and amplified in both ways, and they also increase distances and the number of terminals. The sections connected to the input and output protect against short-circuit, overloads and signal reflections. Maximum of 5 units in cascade. Up to 99 if they are connected in parallel.



3269

2/W DUOX PLUS REGENERATOR

It has 1 input and 2 outputs. By having 2 outputs (also isolated from each other) it enables the number of risers to be increased. Requires 24Vdc power supply without filter (ref. 4840).

For more information: www.fermax.com/intl/en/pro/documents



3268

1/W DUOX PLUS DUAL REGENERATOR

It has 1 input and 1 output. It lets pass both the data (which regenerates) and the power supply, thus avoiding having to always install a power supply at the output. The number of devices that can be fed at the output without an additional power supply units will depend on the power that reaches the regenerator. For more information: www.fermax.com/intl/en/pro/documents

	No. of inputs	No. of outputs	Regenerates	Isolates	Incorporates power supply filter	channel per riser
3269	1	2	YES	YES	YES	NO
3268	1	1	YES	YES	NO	YES (in multichannel mode)

ACCESSORIES



3267

DUOX PLUS RELAY MODULE For additional F1 and F2 functions (doormatic function for professionals, 2nd door, lighting, etc.).

9443

DUOX PLUS LIFT CONTROL UNIT It is used to provide a lift control service for the DUOX PLUS installation. This allows visitors to access only the floor corresponding to the flat that has opened the door for them. It is an interface between DUOX PLUS and MDS. The MDS Central Unit is responsible for the lift control function, as well as the MDS relay decoders.



9444

DUOX PLUS CAMERA INTERFACE

The DUOX PLUS camera interface is a device that allows you to integrate CCTV analog composite video cameras in a DUOX PLUS installation. An interface is required for each camera installed in a DUOX PLUS installation (up to 2 per block and 1 general entrance).

67501

UNIVERSAL LOCK RELEASE 990N-P22 MAX 10-24Vac/dc

6750

UNIVERSAL MECHANISM 990N MAX 10-24Vac/dc

6752

UNIVERSAL MECHANISM 990A MAX 12-24Vac/dc

2040 CALL EXTENSION MODULE

2438 LIGHT/DOOR BELL ACTIVATOR

ALL EXTENSION MODULE 243





VIDEO DOOR KITS

















AUDIO KITS

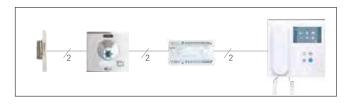


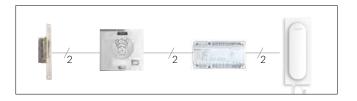






INSTALLATION DIAGRAMS





ACCESSORIES

VEO AND VEO-XS MONITORS VEO AND LOFT TELEPHONES 3388 UNIVERSAL DECORATIVE FRAME 120X240 3380 LOFT TELEPHONE DECORATIVE FRAME 120X240 200X240 3389 UNIVERSAL LARGE DECORATIVE FRAME 210X240 3388 UNIVERSAL DECORATIVE FRAME 120X240 9410 VEO MONITOR DESKTOP SUPPORT 3389 UNIVERSAL LARGE DECORATIVE FRAME 210X240 VEO-XS MONITOR DESKTOP SUPPORT 9420 3749 VEO / LOFT TELEPHONE DESKTOP SUPPORT ? 3441 LOFT HANDSET WITH INDUCTIVE LOOP **ILOFT TELEPHONE** 3443 VEO HANDSET WITH INDUCTIVE LOOP 3388 UNIVERSAL DECORATIVE FRAME 120X240 CITYLINE AND MARINE PANELS 3389 UNIVERSAL LARGE DECORATIVE FRAME 210X240 SEE OUTDOOR PANEL SECTION 5636 ILOFT TELEPHONE DESKTOP SUPPORT



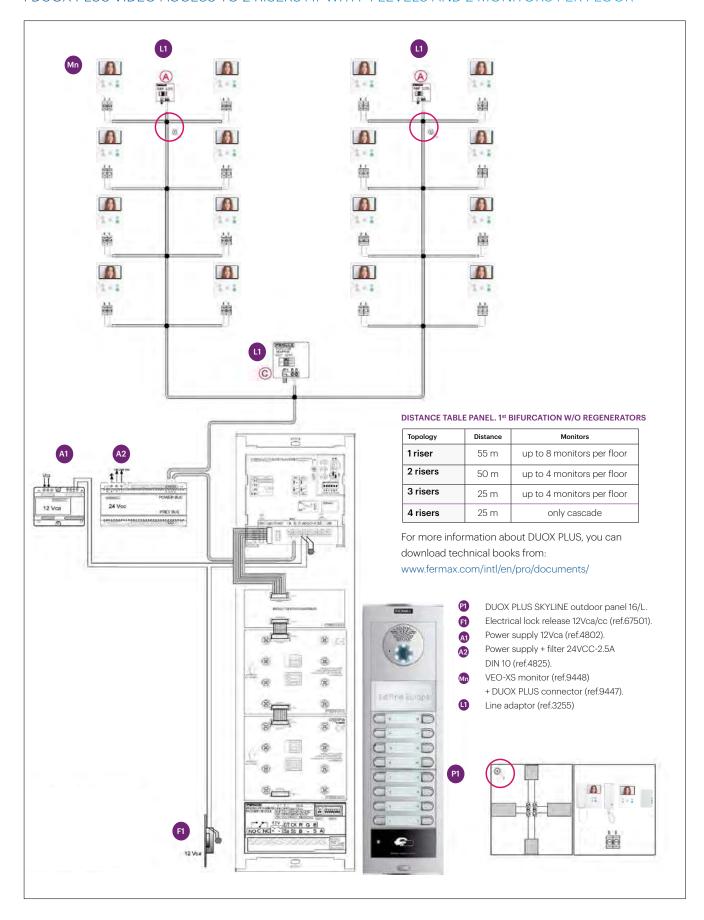


technical information

technical info

DIAGRAM. DUOX PLUS VIDEO

1 DUOX PLUS VIDEO ACCESS TO 2 RISERS AT WITH 4 LEVELS AND 2 MONITORS PER FLOOR





PROJECTS TABLE. WIFI DUOX PLUS

DUOX PLUS VIDEO. SKYLINE PANEL. VEO AND VEO-XS WIFI MONITORS



*** ***	VEO-XS WIFI + CONNECTOR	ref.9449 + ref.9447	2	4	9	∞	9	12	4	16	9	20	22	24	24	26	28	30	32	32	34	36	38	Ç
I #	8	ref.9446 + ref.9447	7	4	9	∞	2	12	4	91	<u>@</u>	20	22	24	24	26	28	30	32	32	34	36	88	(
_p (f	LINE ADAPTOR +	ref. 3255	2	7	7	7	7	7	7	7	2	2	7	2	2	2	2	2	2	2	2	2	2	(
	POWER	ref. 4825	<u></u>	_	_	_	_	_		_	_	_	_		_		_	2	2	2	2	2	2	
	IC ENTS	2V ef.7443				 					 									-				1
	METALLIC COMPLEMENTS	201 202 204 V 2V ref.7376 ref.7372 ref.7371 ref.7442 ref.7443														-	-				-	_		+
upulu upulu		204 ef.7371				-	_	-	-	2	7	7	7	ო	က	2	က	က	က	4	4	4	4	+
U.V.	PUSH BUTTONS MODULES	202 ref.7372 r		_	-			-	-			_	-			7	-	_	7			-	-	+
	PUSH	201 ref.7376 r	<u> </u>		-		-		-		-		_			-		-	-		-		-	+
	VIDEO AMPLIF. MOD.	ref. 73911 1	_	_	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-
O	CABLE	ref. 2541													-	-	-	-	-	-	-	-	-	1
11:	JOINING CABLE AMPLIF. BOLTS MOD.	ref. 8829													-	-	-	-	-	-	-	-	-	
Tie	FLUSH BOX	ref. 8982											-	-										T
	8	ref. 7338											_	-										4
	FLUSH BOX	ref. 8858									-	_												-
1	2	ref. 7337									-	-												
115	FLUSH BOX	ref. 8857							-	-										7	7	7	7	
	9	ref. 7336							_	-										7	2	2	7	
06	FLUSH BOX	ref. 8856					-	-								2	7	7	2					
	5V	ref. 7335					-	-								7	7	7	7					
	FLUSH BOX	ref. 8855			_	_									2									
	٧4	ref. 7334			_	-									2									
	FLUSH	ref. 8854	_	_																				
,	FRAME 3V	ref. 7333	<u> </u>	_					†															1
SKYLINE		No. SERIES HOMES	84	84	S5	S5	98	98	S7	S7	88	88	83	83	S5	98	98	98	98	S7	87	87	S7	-
SKYLINI PANEL		No. S	7	4	9	œ	9	12	4	9	8	20	22	24	24	26	28	30	32	32	34	36	38	

For installations that combine connected and unconnected monitors, in the consumption table a WiFi monitor is equivalent to 3 non-WiFi monitors.

This table has been configured based on the use of a multicore parallel 1 mm² wire and distribution across floors. For other scenarios, check the tables on page 14.



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