

NEW UNBEATABLE PERFORMANCE IN LOW LIGHT

New

NiteDevil™
2020

Now available in the
excelPTZ 500 & 600 Series



Sees in low light with less blurring than others.

All new NiteDevil2020 technology gives you great results in very, very low light.

...its twice as good in low light as our original NiteDevil...

Original NiteDevil



NEW NiteDevil2020



excelPTZ range
also includes...



Internal
Ceiling
Mount
PTZ

Int/Ext
Budget PTZ



Mini Hi-Speed Dome

...and with 3 easy ways to control them!



Keyboard
3D Keypad
with LCD



alienDVR
saves on equipment



Computer
anywhere in
the world

The **excelPTZ** range provides unrivalled performance at the lowest possible prices with indoor, outdoor, 22x Zoom, 27x Zoom, 30x Zoom, standard and high speed models, there is a dome to suit everybody's budget and requirements.

Based all around the same decoder electronics, once you learn one of the excelPTZ domes you've learnt them all. This makes installation fast and efficient.

Integrated multi-protocol means the excelPTZ range will work with most other equipment on the market straight out of the box.

The external models 500 and 600 series even have double metal enclosures so they are ultra tough and can withstand the harshest of the UK weather. They also have a choice of module which includes the new NiteDevil2020.

New NiteDevil 2020™

- turns night into day!

2x as good as the standard NiteDevil



Sees in low light with less blurring than others.

Unbeatable performance in low light



HI SPEED	128 Pre-Sets	300° PAN/SEC	120° TILT/SEC	6 TOURS	360°	NiteDevil 2020	30x	580 TVL	24V AC
STANDARD SPEED	64 Pre-Sets	15° PAN/SEC	12° TILT/SEC	6 TOURS	360°	NiteDevil 2020	30x	580 TVL	24V AC

Which of the domes can be used externally?

PTZ models PTZ140, 205, 250, 280, 500 and PTZ600 series. The PTZ205 budget dome can be used internally by removing the bracket and is pan and tilt only not zoom. All the models are supplied complete with a wall bracket and are suitable for internal or external use straight out of the box. Optional ceiling, corner and pole mount brackets are also available for these models.



What is the difference between the high and standard speed domes?

The high-speed domes rotate a full 360° in just over a second! Whereas it takes the standard speed domes just over 20 seconds for a full rotation. For most applications the standard speed is easily fast enough for general purpose monitoring applications.

The high-speed dome has other added value features such as Alarm inputs, picture flip, proportional control and more! For example, the alarm inputs can be used so that if a person walks across the path of an area protected by a PIR, the dome would be triggered to automatically zoom in on that area by the PIR's alarm output. This superb feature is only currently available on the High-speed dome models.

Other extra features on the high-speed dome include Proportional Control; where the speed of the domes rotation is proportional to the pressure on the keyboard joystick much like the acceleration of a car is proportional to the pressure on the accelerator. This feature can be useful for precise tracking and zooming in on long distance scenes. A full list of all the various features are included in the comparison tables in the following pages overleaf.



Which domes can be surface mounted on a plasterboard or solid ceiling?

All our indoor range of cameras can be ceiling surface mounted straight on to a ceiling or recess mounted in a plasterboard ceiling or the tile of a suspended ceiling using the special ceiling brackets listed in our accessories range. Please remember that the PTZ101 mini dome is a pan & tilt and not zoom unit so although you can direct where the camera is looking, you cannot zoom in and out.

Do all the domes zoom in and out as well as pan & tilt?

All the domes with the exception of the mini PTZ101 and PTZ205 domes, can pan, tilt and zoom-in, some up to a staggering 560X!! The mini PTZ101 and PTZ205 domes, due to size limitations, have fixed lenses without any zoom facility but do have full pan and tilt functions.

INDOOR excelPTZ range

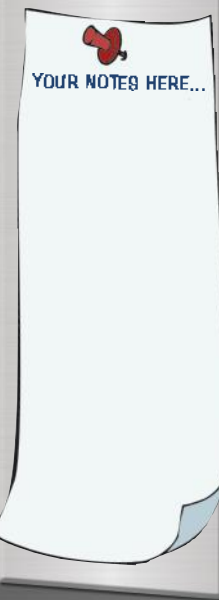


NOTES

Ideal for shops, offices or warehouses that need directional CCTV cameras for added security. As with the whole excelPTZ range they are multi-protocol for added flexibility.

PTZ500/600 Series
Slightly more rounded than other PTZ domes, the IRIDIUM SILVER is a softer more subtle design that makes it a great choice for modern retail sites and trendy offices, finished in stunning silver.

YOUR NOTES HERE...



Order Code: PTZ101	Order Code: PTZ120K	Order Code: PTZ130K	Order Code: PTZ620K	Order Code: PTZ205
Mini Auto Iris Pan Tilt Colour	Standard PTZ Colour	High Speed PTZ Colour	Standard PTZ Colour	Budget Pan Tilt Colour Int/Ext
SPECIFICATION Optical Zoom - 4-9mm Manual Focus Digital Zoom - None Overall Zoom - 4-9mm Manual Focus 420TVL 0.4 Lux 1/3" Auto Iris Colour Plastic Dome, Dia. 130mm 12V DC 800mA Multi-Protocol - Pelco D + 4 others Pan Speed 12°/second Presets - 32 Simple Tour - 1 Autoscan Tour - 2 positions + dwell	SPECIFICATION Optical Zoom 27x Digital Zoom 10x Overall Zoom 270x 500TVL NiteDevil 0.001 Lux Electronic Day/Night Plastic Construction, Dia. 185mm 12V DC 1.5A Multi-Protocol - Pelco D + 4 others Pan Speed 15°/second Presets - 64 Tours - 6 Proportional Speed Superior Quality Mechanism	SPECIFICATION Optical Zoom 27x Digital Zoom 10x Overall Zoom 270x 500TVL NiteDevil 0.001 Lux Electronic Day/Night Metal Construction, Dia. 135mm 24V AC 1.5A Multi-Protocol - Pelco D + 15 others Pan Speed 300°/second Presets - 128 Tours - 6 Proportional Speed Silvered Dome Option Superior Quality Belt Mechanism Full OSD Picture Flip Function Alarm Inputs - 4 Continuous Rotation Low Noise Operation Superb Aesthetic Design	SPECIFICATION Optical Zoom 27x Digital Zoom 10x Overall Zoom 270x 500TVL NiteDevil 0.001 Lux Electronic Day/Night Plastic Construction Single Lined Pan Speed 15°/second Protocol P&D + 3 others Presets - 64 Simple Tour - 6 Low Noise Operation	SPECIFICATION Optical Zoom - 4-9mm lens (Pan & Tilt Only) Digital Zoom - None Pan/Tilt Speed 12°/second 380TVL 0.5 lux Presets - 32 1/3" Colour Heater - No Blower - No Metal Construction IP66 Single Lined Protocol P&D + 3 others 12V DC Includes bracket
Find out more about all these at www.excelptz.com	ACCESSORIES Code: PTZ061 Recessed Ceiling Bracket	ACCESSORIES Code: PTZ060 Recessed Ceiling Bracket	ACCESSORIES Code: PTZ055 Silvered Dome Cover	ACCESSORIES FREE Ceiling Mount Bracket Included with this dome
				Remove bracket for internal use.

OUTDOOR excelPTZ range



Order Code: PTZ140F	Order Code: PTZ250	Order Code: PTZ280	Ivory: PTZ508K	Ivory: PTZ608N
Budget PTZ Colour	Mini High Speed PTZ Colour	Mini High Speed PTZ Colour	Standard Speed PTZ 500 Series Colour	High Speed PTZ 600 Series Colour
SPECIFICATION Optical Zoom 22x Digital Zoom 16x Overall Zoom 352x 540 TVL 1 Lux Die Cast Metal Construction Pan Speed 9°/second Tilt Speed 9°/second 355° Rotation Multi-Protocol inc Pelco D&P 1/4" CCD Colour 3.9-85.8mm Lens Auto Gain Control Auto White balance S/N Ratio +46dB 1V p-p 75ohms 24V AC, 1.25 Amp	SPECIFICATION NiteDevil Mode Optical Zoom 10x 500 TVL Colour, 570TVL B&W 0.7 Lux Colour, 0.02 Lux B&W 3.8-38mm Telescopic Lens Mechanical Day/Night Metal Construction Pan Speed 120°/second Tilt Speed 240°/second 360° Continuous Rotation Multi-Protocol - Pelco D&P + 3 others Superior Quality Mechanism Presets - 160 Multiple Tours - 6 Full OSD* Flip Function 3x Alarm Inputs Belt Driven Digital Noise Reduction 12V DC, 1 Amp	SPECIFICATION Optical Zoom 10x Digital Zoom 10x Overall Zoom 100x 480 TVL 1.5 Lux Die Cast Metal Construction Pan Speed 120°/second Tilt Speed 90°/second 360° Continuous Rotation Presets - 128 Multiple Tours - 6 Multi-Protocol inc Pelco D&P Auto-Flip Function Privacy Masking 1/4" CCD Colour Auto Gain Control Auto White balance S/N Ratio +46dB 1V p-p 75ohms 12V DC, 1 Amp	SPECIFICATION Iridium Silver or Ivory Optical Zoom 27x Digital Zoom 10x Overall Zoom 270x 500 TVL NiteDevil 0.001 Lux Electronic Day/Night Heater & Blower Metal Construction Double Lined Pan Speed 15°/second Tilt Speed 12°/second 360° Continuous Rotation Multi-Protocol - Pelco D&P + 3 others Proportional Speed Presets - 64 Multiple Tours - 6 Belt Driven Low Noise Operation 24V AC 1.7A	SPECIFICATION Iridium Silver or Ivory Optical Zoom 30x 580 TVL NiteDevil2020 0.0015 Lux Electronic Day/Night Heater & Blower Metal Construction Double Lined Pan Speed 300°/second Tilt Speed 120°/second 360° Continuous Rotation & Flip Multi-Protocol - Pelco D&P + 15 others Proportional Speed Superior Quality Mechanism Presets - 128 Multiple Tours - 6 Complex Full OSD Picture Flip Function Privacy Masking 4 Alarm Inputs Belt Driven Low Noise Operation Macro Record Setting 24V AC 1.7A
FREE silver Cover			FREE Silver cover with every 500/600 series dome	Hi-Speed now with Privacy Masking
ACCESSORIES Code: PTZ710 3-D compact PTZ Keyboard		Compatible with our great value keyboards	ACCESSORIES Code: PTZ602 Pole Mount Bracket	ACCESSORIES Code: PTZ603 Waterproof Junction Box
				ACCESSORIES Code: PTZ604 Int Angle Corner Bracket
				ACCESSORIES Code: PTZ604 Ext Angle Corner Bracket

excelPTZ Range of Keyboards

What can I use to control the domes?

The domes can be controlled with either a keypad or directly by a suitable DVR. If the DVR that controls the domes has a remote monitoring facility that allows itself to be controlled over the internet, you will be able to control the domes from anywhere in the world! A suitable DVR for this kind of application is one of the Alien range.

Four different keyboards are available to control the excelPTZ range. When referring to keyboards, "2-D" generally means the joystick lever can Pan & Tilt the camera. "3-D" means the joystick lever can Pan, Tilt and Zoom the camera without pressing any other keys. This means that 3-D keyboards give a better one-handed control over domes than 2-D keyboards. On a 2-D keyboard one hand generally is used to direct the dome and the other hand presses the zoom in and out button, the 3-D joystick can be operated all with one hand.

The mini-2D keyboard (PTZ700) can control all the excelPTZ cameras' functions and is in a nice compact case. Its small unobtrusive design means it is suitable for small confined spaces such as shop counters.

The standard 3-D keyboard (PTZ730) with multi-protocols to control the Pan-Tilt-Zoom of up to 32 domes. An attractive silver finish gives this keyboard a contemporary feel, great for retail use.

The new compact 3-D keyboard (PTZ725) with the added benefit of a 2.5" built-in LCD screen for fast menu set-up. This stylish keyboard is multi-protocol including Pelco P & D and can control the Pan-Tilt-Zoom of up to 32 domes and operates on 12V DC.

The 3-D keyboard (PTZ715) with the great feature of a built-in 5" Colour Quad LCD screen, whilst the system operator uses the buttons and joystick to control a PTZ camera, he can also view the resulting images on the mini screen. This keyboard features 4 video loopthroughs to allow a quad display of images on the 5" screen, alternatively each image can be called up independently. This is a great solution for a reception area or shop counter where the use of a normal sized monitor is impractical.



Mini 2D Keypad, Code: PTZ700



Standard 3D Keypad, Code: PTZ730



3D Keypad with LCD, Code : PTZ725

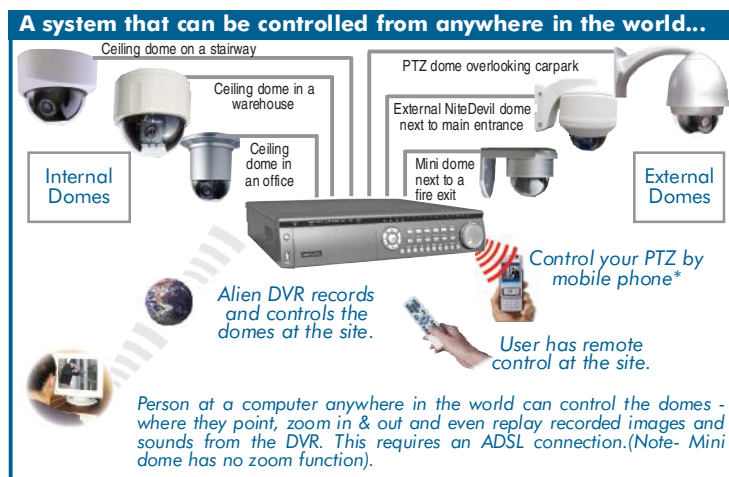


3D Keypad with LCD, Code: PTZ715

Control the domes directly from a DVR.

The excelPTZ domes are multi-protocol but also use the industry standard PELCO-D protocol, which means that they can be controlled by many DVR's that have this protocol built in them. The Alien DVR (digital video recorder) has been pre-programmed specifically for this range of domes for simple and effective control of the dome functions, zoom in and out and point the domes camera wherever you want directly via the DVR's controls. The Alien DVR also comes with its own infra-red remote control that you could use to control the domes via the DVR. By choosing a system based around both the Alien and the excel range of PTZ domes you can control the whole system (both the domes and DVR) from a computer anywhere in the world!

Control the domes by a mobile phone. With the latest Alien DVR mobile phone software you can even control your PTZ cameras on the move from your smart phone.*



Control the domes by a computer.

By using an Alien DVR in your CCTV system a whole new host of options are available to your customer for controlling the domes. Not only can you control the domes via the DVR but you can also control them via any networked computer. This is possible because you can control the Alien DVR via a computer locally on a local area network (LAN) or even over the internet from thousands of miles away. Someone at their desk could zoom in and out or alter where the domes are pointing at all from their computer, they could even playback the recordings and more without ever leaving their seat!

*Compatible smart phone & equipment required.

PTZ - Traditional Style

Traditional Style High-Speed PTZ Camera Kit ...with near Speed Dome Performance & Features!

- ✓ Traditional Style for High Visibility
- ✓ High Speed - 100°/sec Pan, 40°/sec Tilt
- ✓ 360° Rotation with Autopan Setting
- ✓ Multi-Protocol (16 including Pelco P&D)
- ✓ IR Capable
- ✓ Electronic Mechanical Day/Night

In some instances a traditional CCTV head is an advantage over a modern PTZ dome design, as it stays drier in very wet conditions especially with the addition of a wiper.

The PTZ800 is aimed at being a true alternative to a modern PTZ dome for mission critical installs with its near speed-dome performance and features.

With a rotational speed of up to 100°/second and tilt at 30°/second in response to a preset or an alarm input it doesn't miss a thing.

Small, compact and tough the die-cast aluminium camera housing is finished in an attractive ivory colour with a built in window wiper to prevent dirt and rain from distorting the camera's image. This kit is fully IP66 rated for external use but can also be used internally in large covered areas such as factories, warehousing or shopping centres.

With features such as alarm inputs, 360° rotation, presets, tours and a choice of camera module the PTZ800 is a great option for customers requiring a traditional style high performance system.

The head is multi-protocol (16+) including the favoured Pelco P & D protocols so it can be controlled through any of our keyboards or by a capable DVR or Network Video Server such as our Alien DVR ranges.

Code	Description
PTZ800K	With 27x IR NiteDevil Module

Available in



Specification

Window Wiper
IP66 Weatherproof
Pre-set Pan Speed 100°/second
Pre-set Tilt Speed 30°/second
360 degree Endless rotation
Tilt Range +33 to -80°
128 Pre-sets
6 Tours
Auto-Pan Setting
Multi-Protocol - 16 incl. Pelco P & D

PTZ800K IR 27x Module

Optical Zoom 27x
Overall Zoom 270x
500TVL
0.001Lux
Electronic Day/Night
Mechanical Day/Night



Additional PTZ Equipment is available separately below so you can build your own system.....

PTZ810- Heated Housing with Built In Wiper 24V AC



Code: PTZ810

Specification: 24V AC, Built-In Fan & Heater, IP66 Rated, Rear Lockable fastening, Weight 1.7Kgs. - Attractive heated housing enclosure with front window wiper. 24V for use with most PTZ camera systems, this enclosure includes an on-board fan and heater for external use. Ideal for use with the external PTZ head (code: PTZ850).

PTZ850- Low Speed PTZ Head with Built-In Receiver (no presets or frills)



Code: PTZ850

Specification: 24V AC, Pan Range 355°, Tilt Range -50° to +50°, Pan Speed 5°/sec, Tilt Speed 5°/sec, Current Consumption 10 Watts, Weight 2Kgs, Max Load 6Kgs. - An external low speed PTZ head with a pan and tilt speed of 5 degs/second. Suitable for any traditional style 24V PTZ system and ideal for use with the PTZ810 housing. This head provides a pan range of 355° and tilt range of 50° up and down. If the system requires pre-sets please select model PTZ855.

PTZ - Keypads & Accessories

Code: **PTZ700**



Specification

Controls up to 32 domes
Multi-protocol - Pelco P & D
12V DC, 500mA (PSU Req.)
W190 x D97 x H70mm

Mini 2D Keyboard

The mini-2D can control all the excelPTZ cameras functions in nice compact case. Its small unobtrusive design means it's suitable for small confined spaces such as shop counters. The joystick allows PAN-TILT control of the cameras, whilst the keyboard buttons allow the operator to zoom in and out if a Zoom camera is connected.

Code: **PTZ730**



Specification

Controls up to 32 domes
Multi-protocol - Pelco P & D
LCD Menu
12V DC, 250mA (PSU Req.)
W318 x D167 x H58mm

Standard 3D Keyboard

A standard keyboard with multi-protocols to control the Pan-Tilt-Zoom of up to 32 domes. Control over most features and pre-sets is achieved using the well laid out keyboard buttons but the 3D joystick can also be used for one handed control of a dome's main pan-tilt and zoom features. An attractive silver finish gives this keyboard a contemporary feel, great for retail use.

Code: **PTZ715** **3D Keyboard with Quad LCD**



Specification

Controls up to 32 domes
Multi-protocol - Pelco P & D
5" Col LCD
4 Cam Processor & Loophrus
OSD Menu
12V DC, 800mA (PSU Supplied)
W350 x D168 x H69mm

With the great feature of a built-in 5" Colour Quad LCD screen, whilst the system operator uses the buttons and joystick to control a PTZ camera, he can also view the resulting images on the mini screen. This keyboard features 4 video Loophruses allow a quad display of images on the 5" screen, alternatively each image can be called up independently. This is a great solution for a reception area or shop counter.

Code: **PTZ725**

NEW!



Specification

Controls up to 32 domes
OSD Menu
16 protocol - Pelco P & D
2.5" LCD Screen
12V DC,
W155 x D205 x H97mm

3D Keyboard with LCD

The stylish and compact PTZ725 keyboard has the added advantage over the standard PTZ730 keyboard in that it boasts a built-in 2.5" LCD allowing easy on-screen menu set up and programming of any connected PTZ domes.

**Stylish Keyboard
with 2.5" LCD**

Useful Accessories

Specification

Silver ABS
4 Fixing Holes
2 Cable Entry Glands
W214 x D154 x H56mm Max.



Waterproof Box for PTZ600 Dome Series.

A useful weatherproof ABS box that is designed for mounting directly behind the dome bracket of the PTZ 500 & 600 series of dome cameras. The box provides a weatherproof enclosure to make joining multi-core PTZ cables an easier task. The box has 2 cable gland entries.



Waterproof Box, Code: PTZ601

Specification

240V a.c
8 Alarm inputs
39-46 Presets as outputs
Pelco - D
2400 only



Alarm Input Module - adds alarm inputs to PTZ domes !

The Alarm input module has the ability to add alarm inputs to most PTZ domes that have the ability to save presets. The module has 8 alarm inputs that can be either normally open or normally closed types. When an alarm input is triggered the unit simply tells the dome to go to a pre-configured preset.

Alarm Input Module, Code: PTZ752



Specification

12 V DC, 50mA,
1 input, 4 outputs
W80 x H42 x D122 mm

RS485 Distributor - makes installation easier

In the real world not everything always works exactly as it is expected to! RS485 data signals that control the domes' movements are tiny signals that can get corrupted for many reasons. Poor cable quality, running the control cable near mains equipment such as fluorescent lighting will all have a detrimental effect on the signal. One way that takes the guesswork out of installing multiple PTZ domes is to use a RS485 distributor. The PTZ750 amplifies the RS485 control signal from the keyboards (or a DVR) and distributes it evenly to 4 separate spurs, each spur can have up to 4 domes. This means that you could theoretically have up to 4 individual spurs of over 1000 metres each to control up to 16 PTZ domes in total.

RS485 Distributor, Code: PTZ750



Specification

Video In/Out: BNC Socket.
Data In/Out: Terminal Strip for CAT5.
BNC - Suitable for RG59 alone or part of a composite cable.
Terminal strip connection for a 12V DC or 24V AC supply.
50mA 12V DC or 24V AC

Video & Data Combiner

These great new units allow both a composite video signal from a CCTV camera or other device as well as a data signal from a PTZ device to be sent down a single piece of RG59 co-ax.

At the PTZ dome, a simple BNC connection allows the video signal to be inputted whilst a terminal strip is in place for the PTZ's data cable. The Combiner then processes these 2 inputs and produces a single output via a BNC connection to the RG59. At the control equipment end, a second PTZ755 then reprocesses the signal into 2 separate video and data signals.

This is a great solution for system upgrades where the RG59 is already in place and a standard camera is due to be replaced with a PTZ dome.

Video & Data Combiner, Code: PTZ755