

Базовый модуль DayCor Ranger EYE HD

Технические характеристики

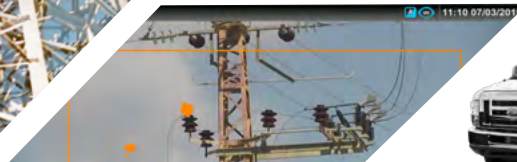
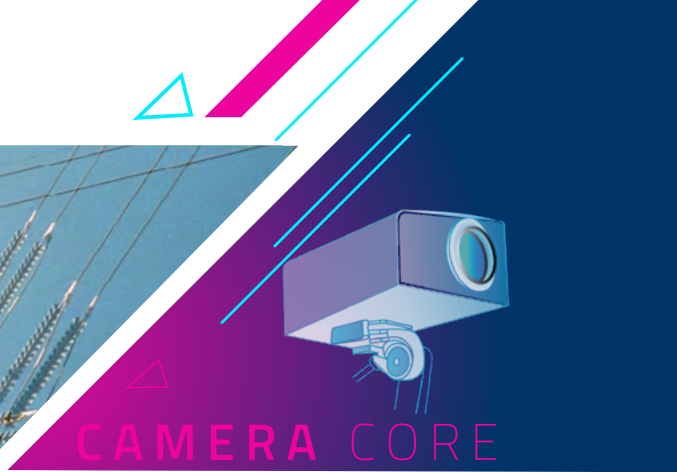
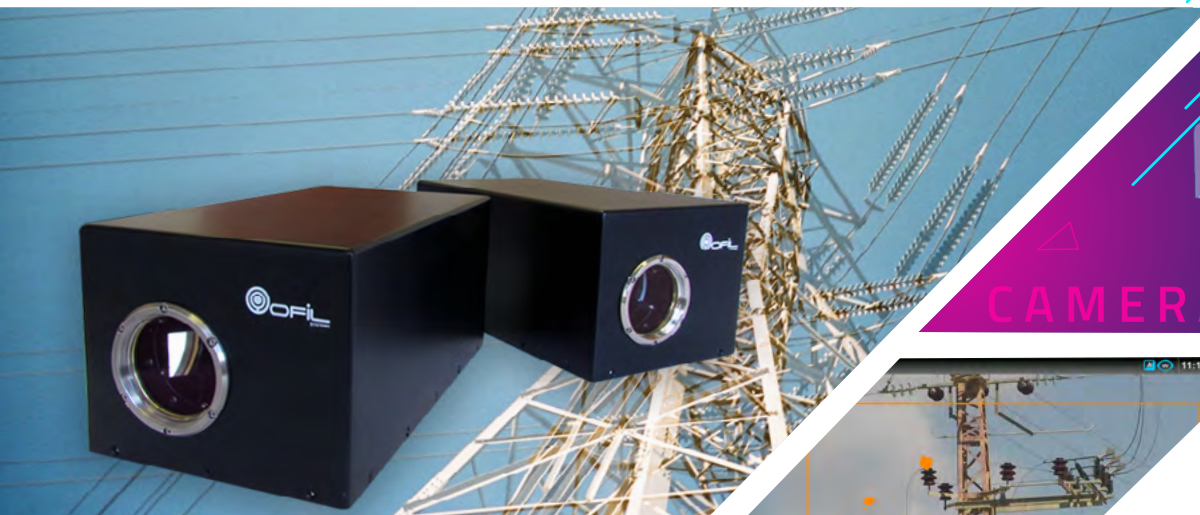
По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93



DayCor®

RANGER EYE HD

High Definitions HD Corona Camera Core

RANGER eye^{HD} is a corona imager that incorporates a UVc detector and a HD visible camera that enable seeing and recording corona discharges in daylight. Corona, which is invisible to the human eye, can be seen only with bi-spectral UV-Visible corona cameras. RANGER eye^{HD} is a high definition, highly sensitive bi-spectral corona imager with Ofil's proprietary DayCor® technology inside, capable of pinpointing corona sources, visualizing them and transmitting in real time to a remote receiver or monitor.

RANGER eye^{HD} can be used as a stationary sensor mounted on a pan & tilt or motorized stand transmitting the view of a monitored area. It can also fit well into vehicles' roof mounts and used for fast driven inspection of overhead grid lines.

RANGER eye^{HD} assists in the diagnosis of medium/high voltage systems by locating deficiencies that are related to electrical fields, or caused by bad design, structural & mechanical problems, contamination, eroded insulation, loss of hydrophobicity and other. Users of RANGER eye^{HD} benefit from fast results, high resolution video reliable data & pinpointed information, in real time.

HIGH SPEED LONG DISTANCE INSPECTION

RANGER eye^{HD} detects and captures distant corona signals while on the move, without smearing the output footage and without missing corona events. Throughout inspection HD video is transmitted, in real time, without neither image processing nor frames integration, to a remote LCD. Videos are sharp, and clear, showing pinpointed information.

EASY INSTALLATION & MOUNTING

RANGER eye^{HD} can be used both as a stationary camera and as a camera for driven inspections. It is enclosed in a rugged durable electromagnetically shielded housing and has a socket for standard 1/4" thread mount.

ENHANCED INSPECTION FEATURES

RANGER eye^{HD} has a powerful optical and digital zoom for both visible & ultraviolet spectral ranges, and a wide FOV for scanning larger areas.

- » HD camera
- » Rugged & Light weight
- » Highest sensitivity to UV
- » HDMI interface
- » Bi-Spectral UV-Visible
- » Fit for speedy inspections
- » Corona events counting
- » Powerful optical zoom
- » Camera core for OEM

HD VIDEO OUT FOR FAULT RECOGNITION

RANGER eye^{HD} has an HDMI interface that enables transmitting uncompressed video data to a compatible computer monitor, video projector or a video recorder. Recording uncompressed data can be useful for computerized machine learning (ML), fault recognition, diagnostic, trending and more. Corona events count can be added to the transmitted media.

REMOTELY CONTROLLED

RANGER eye^{HD} is controlled through a set of communication commands using RS232 1GB Ethernet.

DAYCOR® TECHNOLOGY INSIDE

RANGER eye^{HD} is a solar blind bi-spectral UV-Visible camera that incorporates Ofil's exclusive proprietary DayCor® technology [Registered Patent EP1112459B1]. ROMeye^{HD} provides reliable accurate data, showing the original occurrences of corona anchored to the emitters, operating continuously without overheating.

TECHNICAL SPECIFICATIONS

ULTRA VIOLET (UV) - OPTICAL PROPERTIES

Sunlight Rejection	Absolute – at all sunlight and all weather conditions, target can be inspected with the sun in the field of view
Minimum Discharge Detection	1pC @ 15 m, Innogy SE - Eurotest, Test Regulation IEC 60270:2000 PD Measurement
Minimum UV Sensitivity	1.9×10^{-18} watt/cm ²
Minimum RIV Detection	3.6dB μ V (RIV) @1MHz@10m
Fields of View H x V	H: 10° - 1.6° V: 5.6°-0.9° Continuous. UV & visible channels synchronized
Focus	Full manual and auto focus for both UV & Visible channels
UV Zoom	2x (Opt.), 6.25x (Dig.), synchronized with the visible channel, continuous
UV Frames Integration	On Off
UV Display Colors	Poly chromatic: Red, Green, White, Black, Yellow
Spectral Range	240-280nm

VISIBLE - OPTICAL CONFIGURATION

UV/Visible Overlay Accuracy	Deviation < 1 miliradian
Minimum Visible Light Sensitivity	0.07Lux
Fields of View	H: 10° - 1.6° V: 5.6°-0.9° Continuous. UV & visible channels synchronized
Visible Zoom	12x optical & 12x digital, continuous
Noise Suppression	Yes
Focus Range	0.6m 1.96ft to infinity, automatic & manual

DATA STORAGE

Video Out Standard	HD 720p 60fps
Video Format	MOV
Image Format	JPG
Storage	FAT-32, exFAT

I/O CONTROLS AND OPERATION

Video Interface	HDMI
Control Functions	1GB Ethernet, RS232
UV & Visible Output Combination Modes	Combine (UV & Visible), UV only, visible only

PHYSICAL CHARACTERISTICS & POWER SOURCE

Storage and Operation Temp	-20°C up to +55°C -4°F up to +131°F
Block Camera Weight	1650 gr 3.10lb
Camera Core Weight	1265 gr 2.12lb
Camera with Enclosure Dimensions L x W x H	L259 x W128 x H117 mm L10.2" x W5.03" x H4.6"
Camera Core Dimensions L x W x H	L255 x W124 x H87mm L 10" x W4.88" x H3.42"
Nominal Power Supply & Consumption	12V DC, 12 Watts
Vibration and Shock	ETSI EN 300 019-2-5 V3.0.0 (2002-12), IEC 60068-2-64

ACCESSORIES

CoronaWise - Corona Management Software; Remote control

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93