

Базовый модуль DayCor ROM EYE HD

Технические характеристики

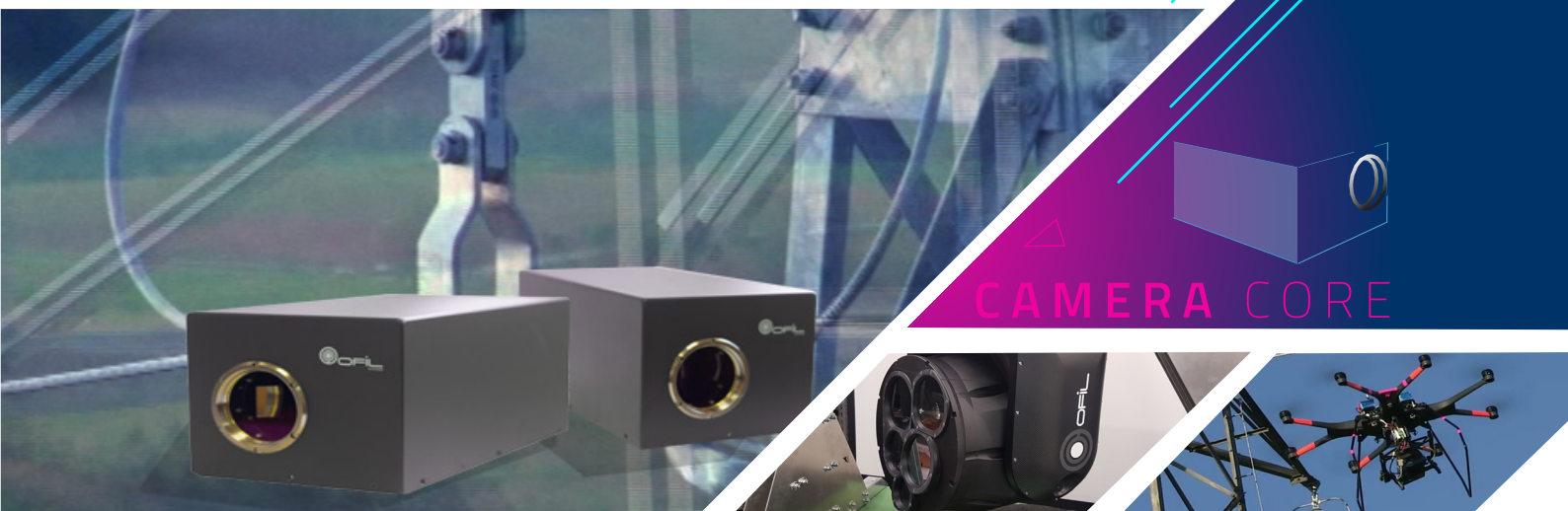
По вопросам продаж и поддержки обращайтесь:

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



CAMERA CORE

DayCor® ROMEYE HD

High Definitions HD Corona Camera Core

ROMeye^{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. ROMeye^{HD} is a high definition, highly sensitive bi-spectral corona camera with Ofil's proprietary DayCor® technology inside, capable of pinpointing corona sources, visualizing them, recording and transmitting in real time to a remote receiver or a monitor. Due to its small dimensions and high performance, ROMeye^{HD} fits well into gimballed payloads and is an excellent choice for fast moving airborne inspections of overhead high voltage grid lines. ROMeye^{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. ROMeye^{HD} fits monitoring and surveillance systems mounted on fixed mounts. Users of ROMeye^{HD} benefit from fast results, high resolution video clips, reliable data & pinpointed information, in real time.

- » HD camera
- » Light weight
- » Recording & playback
- » Highest sensitivity to UV
- » Built-in recorder
- » Bi-Spectral UV-Visible
- » Fit for speedy inspections
- » Corona events counting
- » Powerful optical zoom
- » Camera core for OEM

HIGH SPEED INSPECTION

ROMeye^{HD} transmits HD video on-the-fly, without image processing nor frames integration. The resulted videos are sharp, showing pinpointed information without smearing even during high speed motion.

EASY INSTALLATION

ROMeye^{HD} can be mounted onto existing gimbals or on any standard 1/4" thread tripod mount. Installation is simple and standard.

HD VIDEO RECORDING & STORING

ROMeye^{HD} records High Definition videos with corona events count, date & time and (if attached) external GPS. Videos are stored internally onto a portable memory and transmitted to a remote monitor.

DAYCOR® TECHNOLOGY INSIDE

ROMeye^{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.

REMOTELY CONTROLLED

ROMeye^{HD} is controlled through a set of communication commands: RS232, Ethernet or Wi-Fi.

ENHANCED INSPECTION FEATURES

ROMeye^{HD} has a powerful optical and digital zoom for both visible & ultraviolet spectral ranges, and interchangeable fields-of-views.

CAMERA CORE

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.), Slaved to the visible channel, continuous zoom
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	25x optical & digital, continuous
Noise Suppression	Yes
Focus Range	0.6m 1.96ft to infinity, automatic & manual

DATA STORAGE

Video Out Standard	HD 1280x720p 60fps
Video Format	MOV
Image Format	JPG
Storage	FAT-32, exFAT

I/O CONTROLS AND OPERATION

Video Interface	HDMI
Control Functions	1GB Ethernet, RS232, USB, Inbound/Outbound, Wi-Fi
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; Inspection Guide

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