Technology without Electricity

Ever wanted the freedom to teach using the latest, fastest interactive technology, but without the need for electricity?
With the Digital Classroom System (DCS), that freedom is your

reality. Pack your backpack and go anywhere, teach anything.

Opening a World of Opportunity

A powerful computer and projector in one, supported by a small 6-hour power bank, the DCS allows you to both create and deliver great content for a class or tutor group without relying on mains electricity or bulky generators.

The functionality of a computer:
• Create, edit and save your own content and Office files
• Access the internet
• Download and use apps
• Connect wirelessly via Bluetooth
• Multimedia hub

With the benefits of a high definition projector:
• Show PowerPoint, video and interactive content
• View education applications, e-books, and video
• Plug and play any content
• High definition viewing from short, medium and long range
• Reach a large group or class, with projections of up to 8 feet.

Unpacking the full DCS Kit

What
Powerful DCS 900 LED DLP smart projector with integrated Android 4.4 computer, and DCS Smart Software interface. Works from either mains electricity or independent power source.

Why
Double functionality - high spec computer and projector in one. No electricity needed.

What
Ergonomic Wireless Keyboard

Why
With built in laser trackball, ideal for both using the system as a PC and for delivering your standing presentations.

What
50000mAh Power Bank

Why
Capable of powering your projector for up to 6 hours.

What
Wireless Outdoor Bluetooth Speaker

Why
Connect this to your projector when you want to enhance your presentation with extra sound.

What
60W Solar Charger

Why
To pre-charge your power bank if you don't have access to mains electricity.

Pack your DCS Backpack
Anything, Anywhere

Light, compact, highly portable and capable of operating without electricity, this versa
tem is ideal for teaching any student in any environment. Easy to set up and operate,
used for:

- Training adult workers
- Delivering community health education
- School based education – from nursery to secondary
- Tertiary education
- Both indoor and outdoor settings
- Urban, semi urban and rural environments.

Stay Connected

In today's society connectivity is everything. With DCS's unique software system, you can stay connected to its online content and operate its interactive content - even when you don't have internet access.

Whether online of offline you can:
- Access the full suite of Wikipedia files and search the database
- Use the Khan Academy database of over 5,000 educational videos
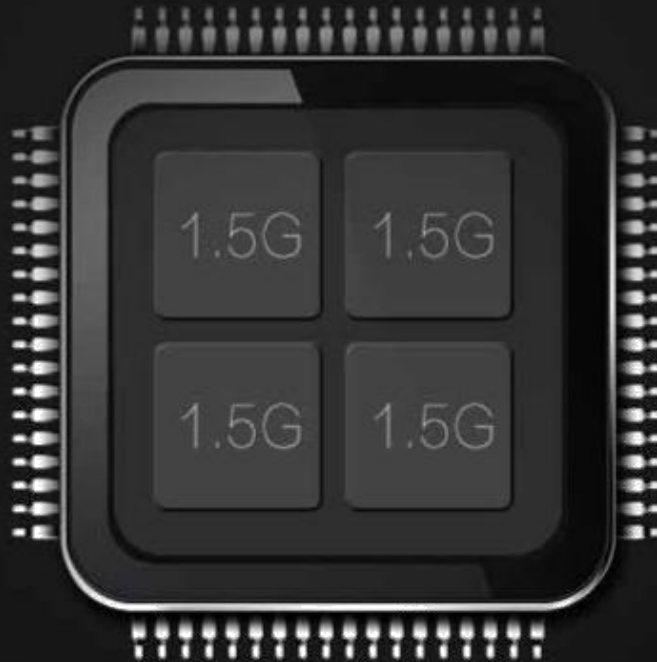- Access and use dedicated interactive content.

Meanwhile built in dual band Wifi lets you:
- Get online when you have internet access
- Surf the web
- Download the latest software and updates.

Cortex A7 quad core processor

Cortex A7 quad-core processor for powerful, efficient, speedy processing power Industry-leading hardware configuration
Quality optical projection.

The result? Speedy processing and a high quality optical experience.

Superior lens quality

DCS Home features superior lens quality, guaranteeing optimal viewing results for your projection:

- Multi coated optical lens
- SLR focus
- Dispersion lens technology via 6 glass lenses
- Powerful optical engine projection technology to bring you high-definition visual enjoyment.

Impressive light source and durability

Our top of the range RGB LED lamp provides:

- Impressive brightness and saturation for clear, bright imaging.
- Longer lifecycle than traditional systems
- Lifespan of 20,000 - 30,000 hours compared with the traditional 3,000 hours
- 10 year lifecycle even when used 5-6 hours daily.

Unique cooling technology

The system's state of the art cooling technology prevents overheating, irrespective of air temperature.

- Embedded temperature sensor for real-time monitoring of temperature
- Optimized airflow design
- Rapid cooling.

Access Content from Anywhere

With its impressive multi-media interface, you can use DCS to access and show content from almost anywhere – mobile phone, tablet, camera internet, USB or other external drive. Features:

- HDMI port
- AV port
- 2 x USB ports
- Micro SD port
- Wi-Fi connectivity
- Bluetooth connectivity.

USB

Game Console

SD Card

Camera

PC

Camcorder

STB

Tablet

Phone

DVD Player

Our Software Enables You to Do More

DCS Cloud - for updates, authentication, logs and management.

DCS Cloud architecture, enabling:

- Management of selected profiles
- Software updates
- Selivery of branded interfaces
- Tracking of usage
- User authentication.

DCS Client - an easy to use smart interface providing you with web services offline, USB recognition and support for offline Android applications.

DCS Offline Applications – facilitating offline access to a range of online applications including Khan Academy and Wikipedia. Also includes a smart app install feature
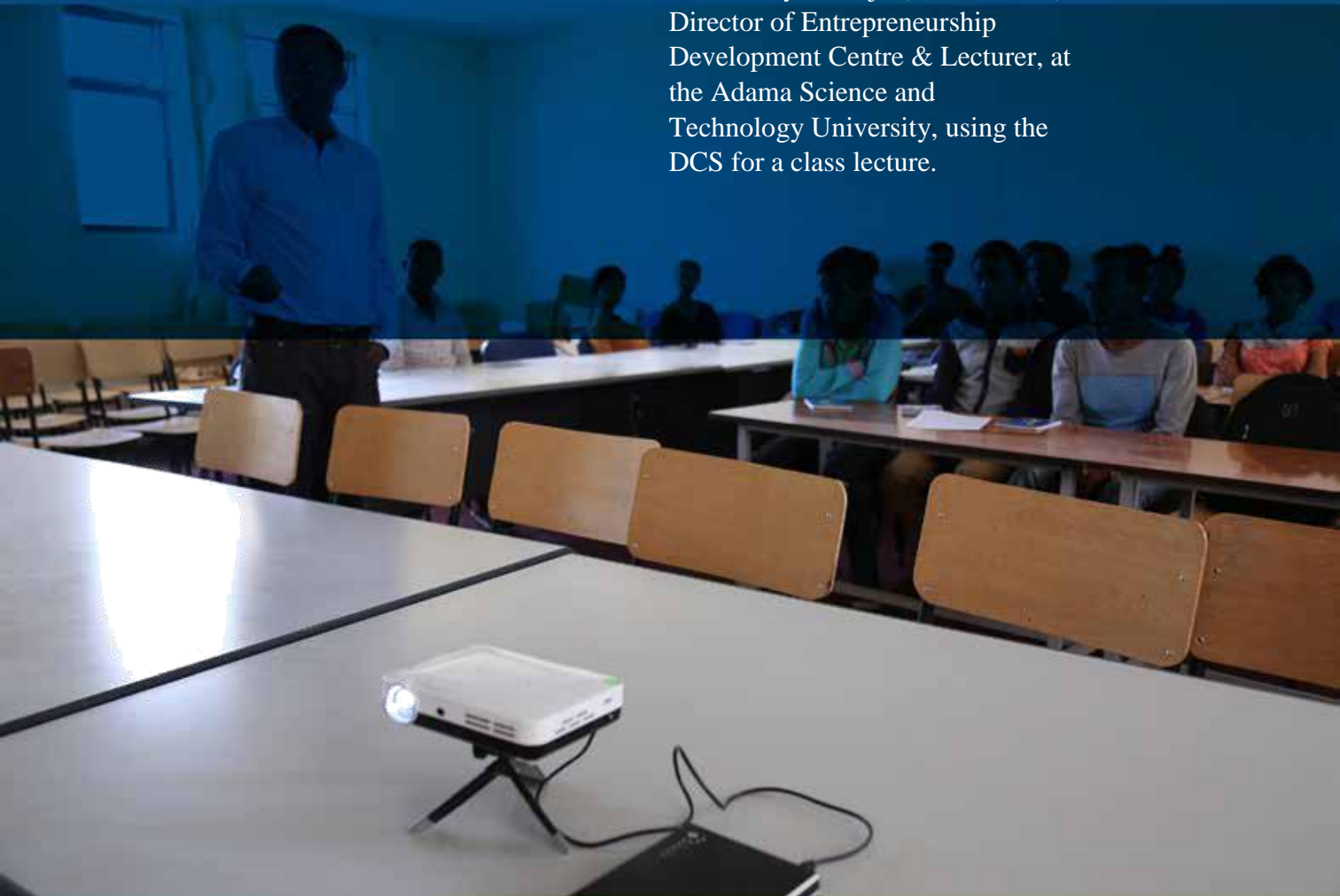
Thousands of Apps in one

With DCS thousands apps are just a click away.
Our top of the range Android 4.4 system means you can download thousands of useful applications at just a touch of the button.

The DCS in use at Adama University Ethiopia

Daniel Beyera Tujo (MA & MBA)
Director of Entrepreneurship
Development Centre & Lecturer, at
the Adama Science and
Technology University, using the
DCS for a class lecture.

The DCS in use in Ghana with NGO Access Agriculture

Phil Malone – Vice-Chairman of Access Agriculture says "When people see the Digisoft system in action with our content they are blown away. We want to encourage people to use the videos and improve their livelihoods and I think this system will be in demand."

The DCS in use at St. Christopher's School in Nairobi Kenya

Specification

Smart Projector

OS Android 4.4
Interface DCS 3.01
Processor Quad Core Cortex-A7 1.2G
Chipset TI DLP 0.45''
GPU Mail 450 MP2
Internet RJ45 & WIFI
WLAN 802.11 a/b/g/n (2.4G+5G)
Bluetooth 4.0 (supports Bluetooth devices, transmitting files)
3D: Shutter 3D, 2D to 3D Conversion (support online & local 3D videos)
Wireless Connection with Phones & PC DLNA, Airplay, Mirroring (iPhone & PC)
Brightness: 350ansi
Uniform Brightness: >90%
Contrast Ratio: 1000:1
Lamp: Osram RGB LED lamp, >20,000 hours
lifetime Lens Offset 100%
Resolution: 1280 x800
Projection Size: 20"-180"
Projection Distance: 0.5m-4.5m
Aspect Ratio: 16:9 / 16:10 / 4:3
Interface Input: AV; HDMI/MHL; USB 2.0&USB 3.0; Micro SD; RJ45
Output: 3.5mm earphone jack (support SPDIF output)
Power Consumption Power Saving Mode: 26W
Standby: <0.5W
Temperature: 0-35
degrees Noise: 28dB
Humidity: 10% - 90%
Video: MPEG2 / 4, AVI, H.264, RMVB etc
Picture: JPEG, PNG, BMP, MPTG etc
Speaker: Built in 3W*1 (5.1 Dolby Surround Speaker)
External Storage: Up to 2T for USB drive & 64G for micro SD card Focus Mode: Manual
Keystone Correction: +/- 40 degrees; Manual & Automatic Projection Modes: Front / back / ceiling
Projection Ratio: 1.2:1
Dimensions: 158 (L) x 120 (W) x 31 (H)

mm Weight: 400g

Specification

Power Bank (Optional)

Capacity: 50000mah
Material: ABS
Battery: li-polymer battery
Input: 19V 1.2A
Output: 5V DC:12V 16V 19V/4A(MAX)
Dimensions: 194x120x15mm
Weight 610g
Working temperature: -5°C-45°C

60W Solar Panel (Optional)

Monocrystalline solar cells
Maximum Power: 60W±5%
Standard condition: (1000W/m2, module temperature 25°C, AM=1.5, enough)
Number of Panels: 6
High efficiency: 18%
Optional Operating Voltages: 19V/16V/12V/5V
Optional Operating Currents: 2900mA/3000mA/3000mA/2000mA
Output Terminals: DC5521; USB2.0
Unfolded Dimensions: 1150x740x22mm Folded Dimensions: 360x285x54mm Weight: 2.96kg

Specification

Ergonomic Wireless Keyboard

Full Keyboard - Ultra-slim ergonomic wireless 2.4 GHz keyboard with built in laser trackball. Designed for use in standing presentation environments, it includes a trackball for mouse movement and a full keyboard for text entry.

The keyboard connects to the projector wirelessly via a USB dongle. Keyboard powered by 2 x AA batteries.

Outdoor Bluetooth Speaker
- Weatherproof, dustproof, shockproof
- Device Compatibility: Universal
- Bluetooth: Bluetooth V4.0
- Operating distance: 10 meters (when unobstructed)
- Operating time: ≥ 8hrs
- Charging Time: ≥ 3hrs
- Chargeable via most USB power sources or solar charger
- Bluetooth profiles: HSP, HFP, A2DP and AVRCP
- Mobile power supply: IN-5.0V 1.0A ; OUT-5.0V 1.0A
- Output power: 2 x 5W
- Driver unit: 4Ω/5W 45 mm
- Frequency Response: 120Hz ~ 20kHz
- Ratio S/N: ≥ 85dB
- Power Supply: DC 5V
- USB Output Power: DC 5V/2.1A
- Battery Capacity: 5200 mAh
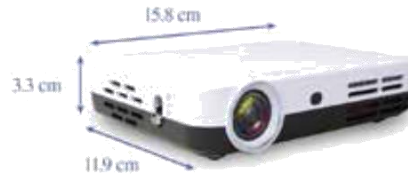- Dimensions: 72.6X217.5 mm

Our educational content

Khan Academy (Optional extra)
Over 5,000 Khan Academy practice exercises and instructional videos in Science, Maths, Arts, Humanities, Computing, Finance and Economics and Finance.

Wikipedia
The full searchable Wikipedia content running offline and providing over 4.5 million searchable references, including images.

Office Suite 8
Provides access to:
• Word
• Presentation
• PDF
• Spread sheets.

Power Indicator
micro SD card slot
Audio jack

Power In   USB2.0   HDMI/MHL   USB3.0   Ethernet   AV Connection

15.8 cm

3.3 cm

11.9 cm

Compact design
0.4 KG, Thickness 3.3 cm

① Power button

② Volume keys

③ Arrow keys

④ Enter

⑤ Set key

⑥ Return key

⑦ Home key

⑧ Projection settings

⑨ 3D switch button
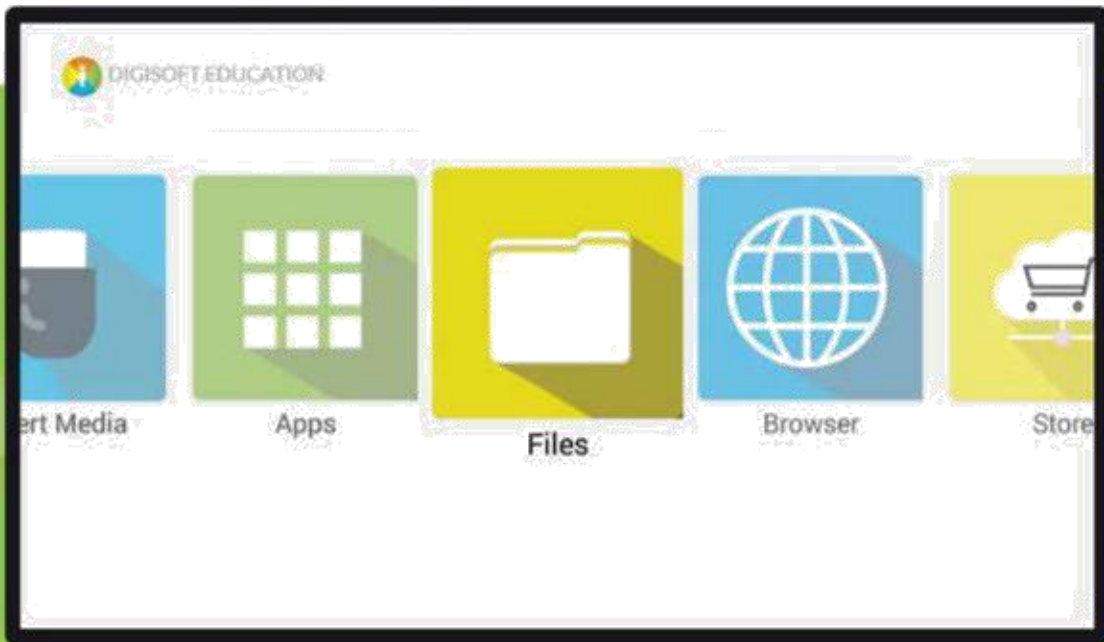
⑩ Play / Pause

⑪ Mute button

Speaker

Power Bank

Open Solar Charger

Keyboard

Easy to Use

Intuitive, easy user interface

How to buy the DCS

at: pentagonsupport@hotmail.com
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Mobile: +256700811701