



coursemaster

SHOW VIEW SELECT



Ascot Visual Solutions Limited

www.avs-gb.co.uk

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OVERVIEW

Ascot Coursemaster is one of the most effective screen-to-screen training delivery platforms available, promoting learning at the touch of a button. Meeting the demand for effective classroom training delivery, Ascot Coursemaster brings a viable and efficient method of curriculum delivery to the computer equipped classroom, laboratory or library.

Not all trainees learn at the same rate and the challenge for the instructor is to present material effectively and efficiently in the time allowed, whatever the training programme or level of trainee ability. Ascot Coursemaster delivers the highest standard of training to any number of trainees in a training room at the touch of a button. Images from the instructor's screen can be directed to an individual, to a group, or to all of the trainee's screens, just as though the trainee were seated directly in front of the instructor. Images from one trainee's screen can be used as an example and directed to others or sent to a projector for more general observation. If required, any number of screens selected, or all screens can be blanked to gain attention and the keyboards and mice of computers selected can be locked. Ascot Coursemaster reduces costs by providing efficient training of groups as if training were being delivered one-to-one.

Ascot Coursemaster is available as either One-way (**Show** or **View**) or Multi-way (**Select**) systems.

Coursemaster Benefits:

- A simple to use system with a short learning curve for both trainee and instructor.
- A robust hard-wired system that is totally independent of software or any existing network systems and capable of working across a wide range of operating platforms.
- Enables the instructor to Observe, Direct and Control trainee's PC activity.
- Coursemaster easily incorporates additional inputs, such as laptops and cameras, and outputs, such as projectors.
- Screens can be blanked to gain trainee's full attention and ensure no distractions.
- Switching of the image is instant with no degradation.
- Instructor's screen transmission can be directed to any or all trainees and the keyboard and mouse of those trainees locked remotely; this is available for both PS2 & USB connections.
- With the knowledge that trainee PC activities can be observed, the temptation to visit unauthorised areas of the Internet and the opportunity to carry out unauthorised activities will be reduced.
- Coursemaster has a discreet help button, allowing more reserved trainees to request help without embarrassment and the instructor can take control of their keyboard and/or mouse in order to assist them.
- Irrespective of the room-seating layout all trainees are, in effect facing the instructor, offering one to one tuition to every member of the class.
- Audio communication can be incorporated in the initial installation or added to existing installations providing 2-way communication.
- The ability to discreetly and sequentially view some or all of the screens. The scanning speed can be varied.
- As Coursemaster is a hardware system, there is no annual software licence fee.
- In the unlikely event of Coursemaster failing, the PC's will still function as independent computers without any alterations to the system.
- Areas on the trainee's screen can be highlighted by the instructor to assist the trainee in problem solving.
- Available at various levels of operation that can be tailored to suit budget, whilst retaining the option of easy future expansion/variation.

"Coursemaster enables 'teaching by doing' rather than 'teaching by looking and listening'."

*Charles O'Brien, Head of Art, Design and Technology - Edge Hill University College of Higher Education at Ormskirk.
The UK's largest teacher training institute.*

coursemaster SHOW

Coursemaster Show's Functions at a glance:

- Screen transmission from instructor to all trainees
- Screen transmission from notebook to all trainees
- Notebook to projector while sending instructor's screen to all trainees
- Blanking of trainees screens
- Releasing instructor's screen for availability to all trainees
- Modular Setup with extension capability up to 90 participants
- 380MHz technology transmits even the highest screen resolutions in real time

Coursemaster Show allows the instructor's screen to be viewed by all the trainees. Course material is presented directly to the trainee's monitors allowing each trainee a clear view at their own screen. At any time the instructor may return control to the trainees, allowing them to return to work. To prevent trainees from being distracted during training, the instructor can blankout their screens. A second input for the instructor, for example a projector is also possible with this system.



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Coursemaster View's Functions at a glance:

- Transmission of trainee screen to the instructor's screen
- Transmission of trainee screen to the projector
- Remote Control of each trainee
- Lock each trainee's keyboard and mouse
- Help button
- Audio-Line
- 380MHz technology transmits even the highest screen resolutions in real time

Coursemaster View allows the instructor to view trainees screens discreetly. By observing the trainees on-screen activities the instructor is able to get a good understanding of trainees progress, without having to visit each trainee individually and embarrass trainees who are falling behind. Remote control of trainees keyboard and mouse are possible allowing trainee and instructor to work interactively to solve problems. The instructor also has the option to send a trainee's screen to a projector making active participation for each trainee possible.



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Coursemaster **Select**'s basic Functions at a glance:

- Instructor sends their screen image to individual trainees / a group of trainees / all trainees
- Transmission of trainee screen to the instructor's screen
- Instructor sends a trainee screen image to individual trainees / a group of trainees / all trainees
- Blanking of trainee screens
- Video scan of trainee screens by instructor
- Individual adjusted keyboard layout (keyboard set-up similar to seating arrangements)



In addition to all the functionality of the One-way systems, Coursemaster **Select** enables the instructor to send data to, or monitor selected screens. The instructor can convey messages to individuals, a selected group or the whole group and capture a trainee's screen to show to other trainees. Trainees can discreetly summon the instructor by pressing a help button.

Coursemaster **Select** is an advanced hardware solution, transmitting each screen image in real-time to either a single trainee, a group of trainees or to all trainees. Independent of resolution, colour mode, PC type or application. Coursemaster **Select** makes the IT classroom more efficient by allowing instructors to teach over 40 trainees in a single classroom, as easily as teaching just one or two trainees. Coursemaster **Select** allows the instructor to answer trainees questions and problems quicker than ever, making the lessons more interesting for both trainee and instructor.

Coursemaster **Select**'s Optional Functions at a glance:

- Interactive remote control of keyboards and mice
- Lock of keyboards and mice
- Highlighter / Marker
- Integration of notebook / projector
- Integration of a video source
- Advanced function (simultaneous projection)
- Second instructor mode
- Coupling of several Multi-way systems
- Audio-Line (stereo) for language lab training
- Help Button



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DVI

Coursemaster **Select** is setting new standards with the latest development: The Coursemaster **DVI** system! The latest **DVI** system offers a combination of "digital high tech", easy and intuitive handling.

This new system means that digital screen images can be transmitted to the trainees' stations. Highly developed electronics assure the images are transmitted without any loss of quality or time delay. A single cable is able to transmit resolutions of 1920 x 1200 @ 60 Hz and higher. This is possible within the basic version (not an additional option). The system is fully compatible with all digital screens and graphic boards.

Coursemaster **DVI** still retains many of the features of the original Coursemaster **Select** system that have made the system so popular.

- **DVI** still operates independently of the hardware, software and operating systems already in use.
- Modular design – making the system easily extendable.
- No interference with your network performance
- Flexible configuration for different room structures: star, ring, satellite, coupling.

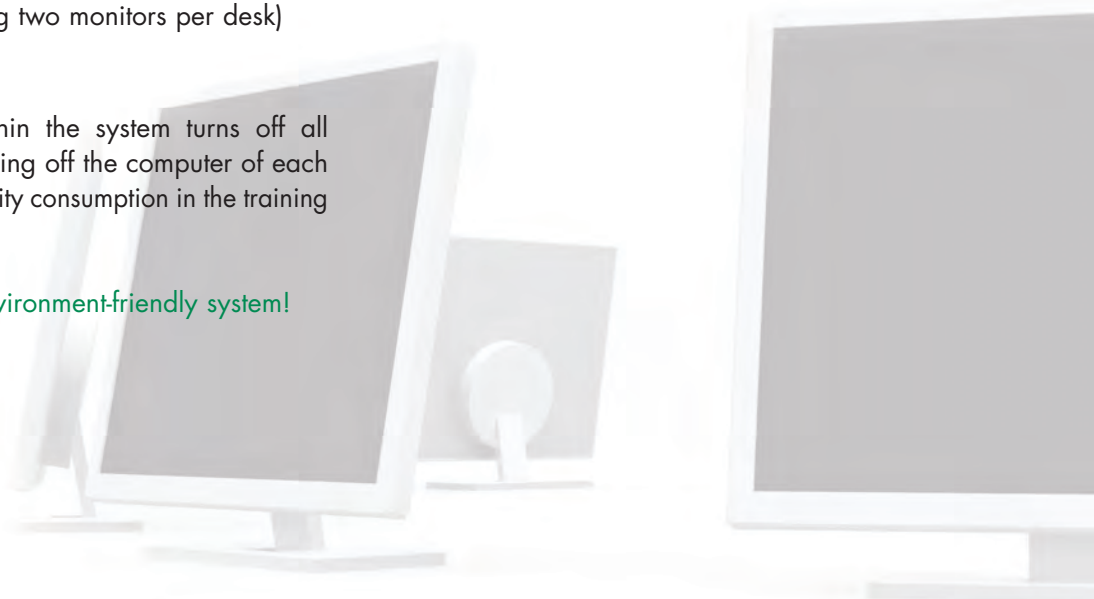
The **DVI** system has been developed using the same keyboard as the current Coursemaster system and has the same operation, which means that instructors can use the system without the need for retraining.

Coursemaster **DVI** still has a number of optional functions including:

- Integration and use of document cameras, microscopes
- Dual-Trainer-Operation (two trainer workstations)
- Dual-Screen-Mode (trainees using two monitors per desk)
- Help Button

A specially developed system within the system turns off all Coursemaster components after turning off the computer of each workstation, thus reducing the electricity consumption in the training room & cutting the electricity bill.

Coursemaster Goes Green - The environment-friendly system!



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COMPARISON TABLE

	SELECT	SHOW	VIEW
<i>Trainees (max.)</i>			
	48	96	96
<i>Screen Transmission (Instructor)</i>			
to individual Trainee(s)	✓	-	-
to all Trainees	✓	✓	-
to a selected group	✓	-	-
to a projector	✓	✓	✓
<i>Screen Transmission (Trainee(s))</i>			
to the Instructor	✓	-	✓
to individual Trainee(s) or to all Trainees	✓	-	-
to a selected group	✓	-	-
to a projector	✓	-	✓
<i>Remote Control & Keyboard Lock</i>			
Remote Control and/or locking of individual Trainee keyboard and mouse	✓	-	✓
Remote Control and/or locking of all Trainees keyboards and mice	✓	-	-
<i>Blanking of Screens</i>			
Blanking screens of all Trainees	✓	✓	-
Blanking screen of individual Trainees	✓	-	-
Blanking screens of a selected group	✓	-	-
<i>Screen Release</i>			
	✓	✓	-
<i>Help Function</i> <i>Call function for Trainees</i>			
	✓	-	✓
<i>Screen Marker</i> <i>for the Instructor</i>			
	✓	✓	-
<i>Integration of Peripherals</i> <i>e.g. notebook, projector, server</i>			
	✓	✓	✓
<i>AudiLine</i> <i>Function Language Lab</i>			
	✓	-	✓
<i>Coupling of Two Video Nets</i>			
	✓	-	ADV*
<i>Second Instructor</i>			
	✓	-	ADV*
<i>Simultaneous Projection (Advanced)</i>			
Transmission of Instructor screen to all Trainees while notebook screen is simultaneously displayed onto the projector	✓	✓	-
Transmission of notebook screen to all Trainees while Instructor screen is simultaneously displayed onto the projector	✓	✓	-
Transmission of Instructor screen onto the projector while Trainee screen is simultaneously displayed to Instructor screen	✓	-	✓
Transmission of notebook screen onto the projector while Trainee screen is simultaneously displayed to Instructor screen	✓	-	✓

*ADV - Possible with Advanced CPU

Ascot Visual Solutions is a design and manufacturing company providing information, monitoring and training delivery solutions for the government, commercial and training sectors.

Our combination of software development and hardware engineering skills enables us to offer a range of highly innovative products to our customers. Using the latest technologies, Ascot Visual Solutions is able to provide full project management, installation and service support facilities.

Our product range is extensive and includes the development and implementation of training delivery systems, observation and monitoring solutions together with innovative messaging networks.

Our Coursemaster product's prominence in the marketplace has established an international blue chip client base including large multi-national and international companies, government and military departments, banks and financial institutions and universities.

Our reputation has been built on our ability to work closely with our customers in the development of solutions to help them achieve their targets.

ASCOT PRODUCTS:

COURSEMASTER

Coursemaster is very easy and intuitive to use for both instructor and trainee. It doesn't require the learning of an additional user program and easily incorporates additional inputs such as laptops, DVD players etc. There are currently over 10,000 Coursemaster installations throughout the world, with systems that are used every day that were installed over 20 years ago. How many versions of software and how many PC's would you buy in 20 years?

WHITEBOARD INTEGRATION SWITCH

The USB Whiteboard Integration Switch allows the centralised use of an integrated whiteboard. Used in conjunction with the Coursemaster system, the switch allows the transmission of trainees' screens to the whiteboard.

MICROLAB SYSTEM

The Coursemaster Microlab System was especially designed for the integration of microscopes and cameras in labs and classrooms. By integrating microscopes and projectors, the system can be used to facilitate the comparison of images or slides on individual PCs around the lab without losing quality of image and without delay.

IDS

IDS (Information Display System) provides an information solution for communication and information delivery in any format (text, graphics, html, video, animation) to screens locally or globally. Its flexibility enables the user to send information to selected monitors/sites situated where that information would be most relevant. IDS will provide you with today's solution for tomorrow's information.

AMPLIFIERS & SPLITTERS

AVS can supply a range of Amplifiers to boost signals for transmission over long cable lengths and Splitters to allow for additional inputs and outputs.

